CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 27	Oconomowoc, Wis.	Feb. 16
Feb. 27	Greenburgh, N. Y. Adv. Feb. 16 and 23.	Feb. 16
Feb. 28	Grove City, O.	Feb. 16
Mar. 1	Howard, Kan.	Feb. 16
Mar. 1	Newburgh, N. Y. Adv. Feb. 23.	Feb. 23
Mar. 1	Cleveland, O.	Feb. 23
Mar. 2	New York Adv. Feb. 16 and 23.	Feb. 16
Mar. 2	Fremont, N. C. Adv. Feb. 9 and 23.	Feb. 23
Mar. 20	Newburgh, N. Y. Adv. Feb. 16 and 23.	Feb. 23
Mar. 20	New Orleans, La. Adv. Jan. 26 to Feb. 23.	Jan. 26
Mar. 28	Fallon, Nev. Adv. Feb. 23.	Feb. 23

SEWERS

Feb. 27	Oconomowoc, Wis.	Feb. 16
Feb. 27	Huntington, W. Va.	Feb. 23
Feb. 28	Wash., D. C.	Feb. 9
Feb. 28	Davenport, Ia.	Feb. 9
Mar. 1	Howard, Kan.	Feb. 16
Mar. 4	Chillicothe, Mo.	Feb. 23
Mar. 4	Chillicothe, Mo.	Feb. 16
Mar. 6	Casper, Wyo.	Feb. 16
Mar. 7	Paterson, N. J.	Feb. 16
Mar. 7	Ridgefield Park, N. J. Adv. Feb. 16 and 23.	Feb. 16
Mar. 8	Portland, Ore.	Feb. 23
Mar. 8	Springwells, Mich.	Feb. 23
Mar. 9	Ridgefield, N. J. Adv. Feb. 23.	Feb. 23
Mar. 13	Annandale, Minn.	Feb. 23
Apr. 10	Los Angeles, Cal.	Feb. 16

BRIDGES

Feb. 27	Bradentown, Fla.	Feb. 23
Mar. 2	Marion, Kan.	Feb. 23
Mar. 3	Missouri	Feb. 23
Mar. 6	Mercer, Pa. Adv. Feb. 9 to 23.	Feb. 9
Mar. 7	Greenfield, Ind.	Feb. 16
Mar. 8	Placerville, Cal.	Feb. 23
Mar. 14	Holyoke, Mass.	Feb. 9
Oct. 31	**Sydney, Australia**	**Jan. 12**

DAMS

Mar. 1	West Chester, Pa.	Feb. 16
Mar. 4	Ilion, N. Y. Adv. Feb. 9 to 23.	Feb. 9

EXCAVATION AND DREDGING

Mar. 1	Kennett, Mo.	Feb. 9
Mar. 3	Buffalo, N. Y.	Feb. 23
Mar. 7	Red Oak, Ia.	Feb. 9
Mar. 7	Paradise, Cal.	Feb. 23
Mar. 8	Bemidji, Minn.	Feb. 23
Mar. 15	Elk River, Minn.	Feb. 9

STREETS AND ROADS

Feb. 24	New York Adv. Feb. 9 to 23.	Feb. 9
Feb. 27	Hamilton, Ill. Adv. Feb. 23.	Feb. 23
Feb. 27	Bradentown, Fla.	Feb. 23
Feb. 28	Corning, N. Y. Adv. Feb. 16 and 23.	Feb. 23
Feb. 28	Washington	Jan. 19
Feb. 28	Camp Hill, Pa.	Feb. 9
Feb. 28	Sea Girt, N. J. Adv. Feb. 16 and 23.	Feb. 16
Feb. 28	Bluefield, W. Va.	Feb. 9
Feb. 28	Pennsylvania Adv. Feb. 9 to 23.	Feb. 9
Feb. 28	Washington	Feb. 16
Feb. 28	Wichita, Kan.	Feb. 16
Feb. 28	Missouri	Feb. 23
Feb. 28	Ohio	Feb. 23
Feb. 28	Utah	Feb. 23
Feb. 28	South Carolina	Feb. 23
Feb. 28	Escondido, Cal.	Feb. 23
Feb. 28	Elkhorn, Wis.	Feb. 23
Mar. 1	Duluth, Minn.	Jan. 5
Mar. 1	Pennsylvania Adv. Feb. 9 to 23.	Feb. 9
Mar. 1	Worthington, Minn.	Feb. 16
Mar. 1	Delaware	Feb. 16
Mar. 1	Virginia	Feb. 23
Mar. 1	Huntsville, Ont.	Feb. 23
Mar. 2	Seal Beach, Cal.	Feb. 23
Mar. 3	Salina, Kan.	Feb. 23
Mar. 3	Cincinnati, O.	Feb. 23
Mar. 3	Missouri	Feb. 23
Mar. 6	Dade City, Fla.	Feb. 23
Mar. 6	Minneapolis, Minn.	Feb. 9
Mar. 6	Ontario	Feb. 9
Mar. 6	Salem, N. J.	Feb. 16
Mar. 6	Nevada	Feb. 16
Mar. 6	San Luis Obispo, Cal.	Feb. 23
Mar. 6	Albert Lea, Minn.	Feb. 23
Mar. 6	Fairfield, Cal.	Feb. 23
Mar. 7	Lake City, Fla.	Feb. 23
Mar. 7	Cincinnati, O.	Feb. 23
Mar. 7	Sanford, N. C. Adv. Feb. 16 and 23.	Feb. 23
Mar. 7	Yuba City, Cal.	Feb. 23
Mar. 7	Colorado	Feb. 23
Mar. 8	Freehold, N. J. Adv. Feb. 16 and 23.	Feb. 16
Mar. 8	Mays Landing, N. J. Adv. Feb. 16 and 23.	Feb. 16
Mar. 8	Freehold, N. J. Adv. Feb. 23.	Feb. 23
Mar. 8	Seabright, N. J. Adv. Feb. 23.	Feb. 23
Mar. 8	Bemidji, Minn.	Feb. 23
Mar. 8	Missouri	Feb. 23
Mar. 9	Missouri	Feb. 23
Mar. 13	Reno, Nev.	Feb. 16
Mar. 14	Sheboygan Falls, Wis.	Feb. 23
Mar. 14	Wichita, Kan.	Jan. 26
Mar. 14	New York Adv. Feb. 23.	Feb. 16
Mar. 15	Pipestone, Minn.	Feb. 23
Mar. 15	Albuquerque, N. M. Adv. Feb. 23.	Feb. 23
Mar. 22	Alabama	Feb. 23
Apr. 1	Granfield, Okla.	Feb. 2
Apr. 4	Shawno, Wis.	Feb. 23

INDUSTRIAL WORK

Mar. 1	Champaign, Ill.	Feb. 16
Mar. 1	Phila., Pa.	Feb. 23
Mar. 1	Butler, Pa.	Feb. 23
Mar. 4	Bozeman, Mont.	Feb. 16
Mar. 4	Missoula, Mont.	Feb. 16
Mar. 4	St. Louis, Mo.	Feb. 23
Mar. 20	Camden, N. J.	Feb. 23

BUILDINGS

Feb. 27	Dubuque, Ia.	Feb. 16
Feb. 27	Oakland, Cal.	Feb. 9
Feb. 27	Topeka, Kan.	Feb. 16
Feb. 27	Racine, Wis.	Feb. 23
Mar. 1	Baltimore, Md.	Feb. 16
Mar. 1	Cincinnati, O.	Feb. 16
Mar. 1	East Liverpool, O.	Feb. 16
Mar. 1	Indianapolis, Ind.	Feb. 16
Mar. 1	Johnstown, Pa.	Jan. 26
Mar. 1	Milwaukee, Wis.	Feb. 16
Mar. 1	Phila., Pa.	Feb. 9
Mar. 1	Port Clinton, O.	Feb. 23
Mar. 1	Phila., Pa.	Feb. 23
Mar. 2	Wayne, Va.	Feb. 9
Mar. 3	Kerrville, Tex.	Feb. 9
Mar. 3	Moline, O.	Feb. 23
Mar. 6	Cleveland, O.	Feb. 23
Mar. 6	Avon Lake, O	Feb. 23
Mar. 6	Dover, O.	Feb. 23
Mar. 7	Duluth, Minn.	Feb. 23
Mar. 7	Pomona, Cal.	Feb. 16
Mar. 8	Clinton, Ind.	Jan. 26
Mar. 8	Pembroke, N. C.	Feb. 23
Mar. 9	Rockville, Ind.	Feb. 16
Mar. 9	Des Moines, Ia.	Feb. 23
Mar. 9	Painesville, O.	Feb. 23
Mar. 10	Alliance, O.	Feb. 23
Mar. 10	Cudahy, Wis.	Feb. 23
Mar. 10	Norfolk, Va.	Feb. 23
Mar. 13	Olympia, Wash.	Feb. 16
Mar. 13	Toledo, O.	Feb. 23
Mar. 14	Dallas, Tex.	Feb. 23
Mar. 15	Sparta, Tex.	Feb. 23
Mar. 16	South Bend, Ind.	Feb. 23
Mar. 16	Columbus, O.	Feb. 23
Mar. 21	Carthage, N. C.	Feb. 23

FEDERAL GOVERNMENT WORK

Feb. 27	Dredging — Providence, R. I. Adv. Feb. 2 to 23.	Feb. 9
Mar. 1	Barracks — Fourth Cliff, Mass.	Feb. 9
Mar. 6	Post Office and Court House —Globe, Ariz.	Feb. 2
Mar. 7	Post Office—Charles Town, W. Va.	Feb. 23
Mar. 8	Carriage House — Norfolk, Va.	Feb. 16
Mar. 8	Barracks, etc.—San Diego, Cal.	Feb. 23
Mar. 9	Water Supply Line—Honolulu, H. T.	Jan. 19
Mar. 10	Changes in Approaches — Plainfield, N. J.	Feb. 23
Mar. 14	Dredging — Jacksonville, Fla. Adv. Feb. 16 and 23.	Feb. 23
Mar. 15	Steam Supply System — San Diego, Cal.	Feb. 16
Mar. 15	Addition — Mare Island, Cal.	Feb. 23
Mar. 15	Addition — Puget Sound, Wash.	Feb. 23
Mar. 15	Extension to Post Office — Hagerstown, Md. Adv. Feb. 23.	Feb. 23
Mar. 20	Pumping Unit—Chesapeake City, Md. Adv. Feb. 23.	Feb. 23
Mar. 22	Operating and Power Building, etc.—Tatoosh, Wash.	Feb. 16
Mar. 23	Dredge Tender—Wilmington, N. C. Adv. Feb. 23.	Feb. 23

MISCELLANEOUS

Feb. 27	Heating and Ventilating Apparatus, etc.—New Brighton, N. Y.	Feb. 16
Mar. 1	Aquarium—San Francisco, Cal.	Feb. 16
Mar. 1	Castings and Asphaltic Cement—Harrisburg, Pa.	Feb. 16
Mar. 1	Road Materials—Jacksonville, Fla.	Feb. 23
Mar. 3	Bituminous Dressing, etc. — Buffalo, N. Y.	Feb. 23
Mar. 6	Tractor—Quincy, Cal.	Feb. 23
Mar. 6	Heating System — Altoona, Pa.	Feb. 23
Mar. 6	Street Flusher, Truck, etc. —Manitowoc, Wis.	Feb. 23
Mar. 6	Road Oil—St. Paul, Minn.	Feb. 23
Mar. 6	Dump Trucks — Cleveland, O.	Feb. 23
Mar. 7	Sand and Stone—Detroit, Mich.	Feb. 23
Mar. 7	Portland Cement—Yuba City, Cal.	Feb. 23
Mar. 8	Asphalt—Detroit, Mich.	Feb. 23
Mar. 8	Chimney—Hammond, Ind. Adv. Feb. 16 and 23.	Feb. 23
Mar. 10	Pier—Portland, Me.	Feb. 23
Mar. 10	Pipe—Harrisburg, Pa. Adv. Feb. 23.	Feb. 23

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

R. I., Pawtucket—Bd. Water Comrs. plan to expend $200,000 for new waterworks construction.

N. Y., Lockport—Plans filtration plant and reservoir. $230,000. R. B. Rhodes of Dupont Co., Fulton Blk., Pittsburgh, Pa., engr.

Md., Frostburg—Plans addition to waterworks system. $250,000. W. Harvey, city engr. Norton & Whitman, Munsey Bldg., Baltimore, engrs.

W. Va., Athens—Town and State plan water system for State Normal School and town, incl. pumpnig station and filtration plant. $75,000. C. E. Collins, Drexel Bldg., Philadelphia, engr.

Fla., Crescent City—Making plans waterworks. $27,500 bonds voted. G. A. Main, Daytona, engr.

Waterworks (Continued)

Fla., Miami Beach—Making plans waterworks extension. $50,000 bonds sold. R. M. Davidson, city engr.

Ky., Newport—City Comrs. takes bids within 90 days for new 6,000,000 gal. pumping engine. $150,000.

Mich., Detroit—Bd. Water Comrs., 176 East Jefferson Ave., 40,000,000 gal. filtered water reservoir, to W. E. Wood Co., 1805 Ford St., $687,580. Noted Jan. 26.

Ill., West Frankfort—Plans to extend mains, 4,010 ft. 6 in. and 25,605 ft. 4 in. c.i. pipe. $41,785. E. A. Cox, West Frankfort, engr.

Minn., Columbia Heights (Minneapolis P. O.)—Plans pressure system to replace present gravity system, incl. tower and pumping equipment. $58,000. J. Corr, city mgr. J. W. Shaffer & Co., 916 New York Life Bldg., Minneapolis, engrs.

Mo., Graham—Making plans laying 4-6 in. mains. $25,000. E. T. Archer & Co., 612 New England Bldg., Kansas City, engrs.

Mo., Kirksville—Making plans standpipe, 100,000 gal. capacity and relaying entire system with new 4 and 6 in. mains. $285,000. I. Dunbar, Kirksville, engr. Noted March 31.

Tex., Van Alstyne—Attorney Generals Dept., Austin, approved $15,000 bond issue for waterworks improvements. Address Mayor.

Mont., Cut Bank—Voted $45,000 bonds for waterworks and sewers. H. P. Walters, Great Falls, engr.

Okla., Carter—Plans waterworks system. $31,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Walla Walla—City Water Comn. opens bids within 30 days for Div. 1 of proposed waterworks, which provides for reservoir, 15,000,000 gal. capacity. $250,000. Total, $500,000. E. B. Hussey, Alaska Bldg., engr.

BIDS DESIRED

N. Y., Newburgh—March 1, by W. J. McKay, city mgr., furnishing approximately 1,000 ton c.i. pipe and 30 ton special castings. J. C. Harding, 170 Bway., New York, consult. engr.; adv. this issue.

N. Y., Newburgh—March 20, by W. J. McKay, city mgr., mechanical filter plant and pumping station. G. W. Fuller and J. C. Harding, 170 Bway., New York, engrs.; adv. this issue.

N. C., Sanford—See "Streets and Roads."

N. C., Fremont—March 2, by W. T. Yelverton, mayor, and Bd. Comrs., Town Hall, deep well, pump, tower, tank, about 4 mi. water pipe lines, about 5 mi. sewers and sewage disposal plant. G. C. White Co., Durham, engrs.; adv. this issue.

O., Cleveland—March 1, by Comrs. Cuyahoga Co., 7,150 ft. 8-16 in. c.i. mains. $60,000. R. F. MacDowell, Court House, engr.

Nev., Fallon — March 28, additional pumping plant for water system. G. Wildes, clk.; adv. this issue.

BIDS RECEIVED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, opened bids Feb. 14. mains and appurtenances in Shore Blvd., Ocean Ave., Manhattan Beach, Highland, Laurel, Poplar, Manhattan, Mermaid, Seagate and Surf Aves., Beach 38th and Beach 40th Sts., etc., here, from Knight & DeMicco, Inc., 448 East Tremont Ave., New York, $41,004; Murphy Bros., 262 Bay 43rd St., $41,258; Dominick Constr. Co., $44,197. Noted Feb. 9.

Ore., Scappoose—C. F. Cathcart, city recdr., extending water system, 30,000 lin. ft. 6 in. wood stave pipe, from Parker Schram Co., Couch Bldg., Portland, $20,592; H. W. Hopkins, Henry Bldg., Portland, $20,992; Oregon Constr. Co., Portland, $21,383. Noted Jan. 5.

CONTRACTS AWARDED

N. Y., Jamestown—Bd. Water & Lighting Comrs., c.i. and steel pipe and fittings, to U. S. Cast Iron Pipe & Fdry. Co., 71 Bway., New York, $35,000. Noted Jan. 12.

O., Brookpark—For 16,500 ft. 8-12 in. c.i. mains to Gangl Constr. Co., 737 2nd Natl. Bldg., Akron, $52,412. Noted Feb. 16.

Ia., Indianola—For labor, machinery, appliances and material for well, to W. Danforth, 810 Guardian Life Bldg., St. Paul, Minn., $8,700 Noted Jan. 5.

Minn., St. Paul—H. W. Austin, city purch. agt., 1,288 ton Class B c.i. pipe, to Natl. Cast Iron Pipe Co., Birmingham, Ala., average about $44.40 per ton f.o.b. St. Paul; 148½ ton miscellaneous c.i. water specials, to St. Paul Fdry. & Machine Co., 209 Essex Bldg., $100 per ton; 300 coils ¾ in., 200 coils ¾ in., 50 coils 7 in. and 50 coils 1¼ in., extra strong lead pipe, to Natl. Lead Co., 404 Willius St., $5.65 per cwt.; 39 ton water specials to South Park Fdry. & Machine Co., 209 Essex Bldg., $95 per ton delivered. Noted Jan. 26 and Jan. 12.

Cal., Seal Beach—Constructing water distributing system, 35,018 ft. 2-8 in. c.i. pipe, to S. Smith, 2025 Bay St., Los Angeles, $36,914. Noted Jan. 19.

Sewers

PROPOSED WORK

R. I., Pawtucket—Pub. Wks. Dept. plans to extend sewerage system. $200,000.

Va., Norfolk—Making plans new sewerage system and repairs to various streets in vicinity of New Junior High School in Brambleton. $125,000. D. A. Decker, city engr.

W. Va., Spencer—Had surveys and plans prepared for intercepting sewer, pumping station and treatment plant. $90,000. C. E. Collins, Drexel Bldg., Phila., engr.

Mich., Detroit—Had plans prepared for 2,871 ft. Grand River Ave. Arm of Wyoming Ave. Sewer in Grand River Ave. from Manor to Wyoming Aves., 3 ft. 6 in. to 5 ft. cylinder; 1,500 ft. Van Dyke Ave. Arm of Six Mile Rd. Sewer in Van Dyke Ave., from Six Mile Rd. to Darwin Ave., 4 ft. to 5 ft. 3 in.; 5,122 ft. Theodore St. Arm of Jos. Campau Sewer in Theodore St. from St. Aubin to Mt. Elliott Aves., 24 in. to 5 ft. 9 in.; 2,905 ft. Moran Ave. Arm of McDougall Ave. Sewer in Leland Ave. from McDougall to Moran Aves. and in Moran Ave. from Leland to Garfield Aves., 18-45 in.; 4,055 ft. Conant Ave. Arm of Six Mile Rd. Sewer in Charest, Jerome and Conant Aves. from Six Mile Rd. to Nevada Ave., and in Jerome Ave. from Charest to Mitchell Aves., 3 ft. to 5 ft. 6 in.; 2,843 ft. Fenkell Ave. Arm East of Wyoming Ave. Sewer in Fenkell and Greenlawn Aves. from city line to alley south of Ellsworth Ave., 3 ft. 3 in. to 5 ft.; 2,171 ft. Fenkell Ave. Arm West of Livernois Ave. Sewer in Fenkell Ave. from Livernois to Turner Aves., 3-4 ft.; monolithic concrete, brick, segmental block or vitr. brick. C. W. Hubbell, city engr.

Wis., Milwaukee—Sewerage Comn. rejected bids opened Feb. 3. 95,000 bbl. portland cement for use in connection with settling tanks on Jones Island. Will readvertise later. Noted Feb. 9.

Wis., Oshkosh—Plans 6-12 in. vitr. storm and sanitary sewers in various streets. $35,000. G. W. Randall, City Hall, engr.

Wis., Wauwatosa—Plans to issue $25,000 bonds for storm sewers in 64th St., Wisconsin and 8th Aves. J. E. Lowther, City Hall, engr.

Ia., North English—Making plans 3 mi. 8-12 in. and 1 mi. 6 in. sanitary sewers and disposal plant. $50,000. H. R. Green, 634 Cedar Rapids Savings Bank Bldg., Cedar Rapids, engr.

Ia., Clinton—Making plans 23,979 ft. 8-30 in. vitr. clay sewers in Dist. 7. $52,500. L. S. Abbott, 410 Weston Bldg., engr. Noted Feb. 2, under "Streets and Roads."

Mont., Cut Bank—See "Waterworks."

Ore., Portland—Making plans Lents Trunk Sewer in southeast portion of city from about East 92nd St. to Willamette River. $800,000. O. Laurgaard, City Hall, engr.

Tex., Van Alstyne—Attorney Generals Dept., Austin, approved $30,000 bond issue for sanitary sewers. Address Mayor.

Ont., Eastview—Plans 3 mi. sewers in Montreal Rd., Dora, Main, King and John Sts., vitr. tile, 8 in. up. $70,000. Engineer not selected.

Ont., Ft. Williams—Plans ½ mi. 8 in. sewer for Wayland School. $25,000. C. B. Symes, city engr.

Ont., Ottawa—Bd. Control soon takes bids building tile sewers as follows: 15 and 18 in. in Emmett St. from Lewis to Lisgar Sts., Report 896B, $20,471; 9 in. Skeads Rd. from Spencer to Wellington Sts., Report 898B, $2,823; 9 in. Skeads Rd. from Spencer to Scott Sts., Report 989B, $4,462; 9 in. Gilchrist Ave. from Spencer to Wellington Sts., Report 899B, $2,273; 9 in. Gilchrist Ave. from Spencer to Scott Sts., Report 900B, $3,003; 9 in. Faraday Ave. from Harmer Ave. to westerly limits of lots 2343 and 2332, Report 901B, $1,511; 12 and 15 in. Ralph St. from Bway. Ave. to Centre St., Report 902B, $5,550. A. F. Macallum, city engr.

Ont., Toronto—Plans 6 mi. 8 in. vitr. tile sewers in Leslie Nurseries property off Queen St. E. $84,000. R. C. Harris, city engr.

BIDS DESIRED

N. J., Ridgefield—March 9, by Mayor and Boro Council, sewerage system and appurtenances. T. F. Bowe, 110 William St., New York, consult. engrs.; adv. this issue.

W. Va., Huntington — Feb. 27, lateral sewer in alley between Staunton and Winters Rds. $25,000. A. B. Maupin, Huntington, engr.

N. C., Fremont—See "Waterworks."

N. C., Sanford—See "Streets and Roads."

Mich., Springwells—March 8, by B. P. Esper, clk., 5,208 ft. Sect. 4, Schaffer Rd. Sewer, 2,474 ft. of 10 ft. cylinder and 2,734 ft. of 9 ft. 6 in., concrete and brick. A. Roth, 2348 Penobscot Bldg., Detroit, engr.

Minn., Annandale—March 13 (change of date), by G. C. Shierts, clk., sewer and waterworks systems, 20,000 lin.ft. 8-15 in. vitr. pipe, 50 manholes, 1 Imhoff tank and outlet ditch, etc. $55,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted Feb. 2.

Mo., Chillicothe—March 4, laying 12-36 in. vitr. tile sewer pipe in Springhill and Milwaukee Sts., $30,000 and $27,000 respectively. J. Broaddus, Court House, engr.

Ore., Portland—March 8, by O. Laurgaard, city engr., City Hall, sewerage system in Oregonian Ave. $71,826. Former bids rejected. Noted Jan. 12.

Ont., Huntsville — See "Streets and Roads."

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Feb. 15, sewers in (1) 83rd St .between 23rd and 24th Aves., in 23rd and 24th Aves. between 83rd and 84th Sts., (2) Empire Blvd., between Troy and Lefferts Aves., Lefferts Ave. between Schenectady and Utica Aves. and Schenectady Ave. between Empire Blvd. and East New York Ave., (3) 82nd St. between Bay Parkway and 23rd Ave. and in 23rd Ave. between 82nd and 83rd Sts., (4) Hinsdale St. between Hegeman and Lorraine Aves., (5) Osborn St. between Hegeman and Lorraine Aves., (6) 20th Ave. between 51st and 52nd Sts., storm water and sanitary sewers in (7) Bay 28th St. between Bath and Benson Aves., from Tomasetti & Co., Inc., 1133 60th St., (1) 83.83% of engineers estimate ($9,000), (2) 82.82% ($4,900), (3) 89% ($4,700), (5) 91% ($1,100), (6) 88½% ($450); J. Jennings, Belle Harbor, (1) 84%, (2) 93¾%, (4) 77% ($1,600), (7) 90% ($2,400); G. Morris Contg. Co., (1) 87%, (2) 90%; F. Merendino, 540 17th St., (2) 90%, (5) 90½%, (6) 90%; R. Nazzarro, 1550 62nd St., (3) 84%, (6) 97%, (7) 81.25%; J. J. Guinan Contg. Co., 2314 Gravesend Ave., (3) 91%, (7) 91%; Murphy Bros., 262 Bay 43rd St., (4) 63%, (5) 93.87%; G. L. Schrade, (4) 71.71%. Noted Feb. 9.

N. Y., Rome—Rome State School for Mental Defectives opened bids Feb. 6, for rehabilitation of disposal plant, at State School, from S. Scullen, Cohoes, $22,656; B. S. McCarey, Rome, $23,477; New York Sewage Disposal Co., 37 East 28th St., New York, $23,947. Noted Jan. 5.

CONTRACTS AWARDED

O., Columbus—W. H. Duffy, dir. Pub. Serv., 11,130 ft. 12-72 in. concrete trunk sewer in Wilson Ave., to Gaty Constr. Co., Central Natl. Bank Bldg., $88,939. Noted Jan. 26.

O., Lakewood (Cleveland, P. O.)—For 1,500 ft. 45 in. brick sewer in Lakeland Ave., to Gallagher & Burke Constr. Co., 1339 Irene Ave., $27,046. Noted Feb. 16.

Tex., Mexia—Storm sewers to Cramer & Cullom, 407 Sumpter Bldg., Dallas, $25,645.

Waste Disposal

CONTRACT AWARDED

Del., Wilmington — Incinerating plant, 75 ton capacity, 3 unit, to Davis Incinerator Co., Lancaster, Pa., $75,000. Noted Nov. 10 under Miscellaneous.

Bridges

PROPOSED WORK

N. Y., Angelica—Plans new steel bridge over Genesee River. Cost to exceed $50,000.

Fla., West Palm Beach—Comrs., Palm Beach Co., 7 bridges, to Champion Bridge Co., Wilmington, O., $87,347. Noted Feb. 9.

South Carolina—See "Streets and Roads."

Wis., Merrill—Plans 150 ft., steel and rein.-con. bridge over Wisconsin River, 50 ft. $25,000. A. Deleglise, Merrill, engr.

Missouri—State Hy. Dept., Jefferson City, plans 20 ft., 30 ft., two 40 ft. and 50 ft. I-Beam spans, 18 ft. roadways, rein.-con. abutments, $2,460, $4,464, $4,425, $5,324 and $6,110 respectively; 120 ft. steel truss span bridge, 18 ft. roadway, rein.-con. abutments, $17,282. All above on Federal Aid Project 118, Sect. A, Stoddard Co. A. Graham, state highway engr.

Mo., Moreau (Jefferson City, P. O.)—Missouri Pacific Ry. Co., Ry. Exch. Bldg., St. Louis, making plans 250 ft. trestle, T girders, on St. Louis Rd., here. $25,000. S. L. Monson, Ry. Exch. Bldg., bridge engr.

Tex., Belton—Bell Co. making plans concrete bridge and culverts on State Highway 2, 2,350 cu.yd. rein.-con., 51 cu.yd. concrete, 340,500 lb. reinforcing, 2,915 cu. yd. dry and 1,329 cu.yd. wet structural excav. $385,000. S. J. Treadway, Temple, co. engr.

Ore., The Dalles—Oregon Washington Toll Bridge Co., making plans about 2,000 ft. bridge at 5 mi. rapids about 3 mi. above here. Cost between $325,000 and $350,000. Union Bridge Co., Fenwick St., Portland, engrs.

Quebec—Provincial Government, Quebec, plans bridge over Chicoutini River. $600,000. A. Galipeault, Quebec, minister of pub. wks.

Ont., Brantford — See "Streets and Roads."

Ont., Kitchener — See "Streets and Roads."

Ont., Ottawa—Plans to reconstruct Wellington St. viaduct, $150,000; new bridge over Rideau Canal, at intersection of Somerset St., $100,000. F. C. Askwith, deputy engr.

Ont., Toronto—Had estimates prepared for steel bridge over Don River on Gerrard St., 1,000-1,200 ft. long, 66 ft. wide. $832,000. R. C. Harris, city engr.

Ont., Toronto—Plans 1,000 ft. steel bridge, 66 ft. roadway, over Reservoir Ravine on St. Clair Ave. E. $712,000. R. C. Harris, city engr.

Ont., Whitby—See "Streets and Roads."

BIDS DESIRED

Fla., Bradentown—Feb. 27, by Comrs. Manatee Co., 40 concrete bridges, six 50 ft. spans, 79 galvanized iron culverts, 4 wooden trestles, length 10,000 ft., in Manatee Oneco Dist. $100,000. Former bids rejected. McElroy Eng. Co., Giddens Bldg., Tampa, engrs. Noted Dec. 29.

Kan., Marion—March 2, by Clerk Marion County, Bridge No. 1206119, having two 80 ft. trusses; No. 121 one 60 ft. concrete, three 20 ft. slabs. R. K. Walters, Marion, engr.

Missouri—March 3, by State Hy. Dept. at div. office Ironton, one 14 ft. and one 16 ft. rein.-con. slab span, one 24 ft. rein.-con. deck girder span and one 60 ft. rein.-con. arch span, on Sect. A, Federal Aid Project 105, Iron Co., $9,651; one 14 ft. and one 20 ft. rein.-con. slab span, one 24 ft. rein.-con. deck girder span, one 40 ft. I-Beam span and one 100 ft. steel truss span on Sect. B, Federal Aid Project 105, Iron Co., $37,594. A. Graham, Jefferson City, state highway engr. Noted Feb. 9.

Cal., Placerville—March 8, by El Dorado Co. rein.-con. bridge over south fork of American River, at Chili Bar site, 3 mi. from here, 775 cu.yd. concrete, 45 ton steel, etc. $25,000. J. B. Leonard, 57 Post St., San Francisco, engr.

BIDS RECEIVED

North Carolina—State Hy. Dept., Raleigh, rein.-con. arch bridge over Rocky River, State Project 606, Anson and Stanly Counties, from Concrete Steel Co., Clarksburg, W. Va., $49,781, Booz, Loyd & Co., Marion, $51,069, Hagedorn Constr. Co., Winston Salem, $53,547; rein.-con. bridge over Eno River, State Project 453, Orange Co., from G. W. Kane, Roxboro, $30,651. Haymes Bros. & Co., Chatham, Va., $31,770. Concrete Steel Bridge Co., Clarksburg, W. Va., $32,185; rein.-con. bridge, State Project 183B, Pitt Co., from B. J. Boyles, Wilson, $29,403, A. P. Gilbert, Durham, $30,803, A. C. House, Weldon, $31,235. Noted Jan. 19.

Wis., Tomahawk—State Hy. Comn., Madison, Fourth Street Bridge, Lincoln Co., (a) complete, (b) additional concrete no greater depth, (c) additional concrete greater depth, (d) reduction of concrete, from Stein Constr. Co., 204 Grand Ave., Milwaukee, (a) $48,700, (b) $20, (c) $25, (d) $8; Wausau Iron Wks., Wausau, (a) $48,874, (b) $30, (c) $40, (d) $15; Worden-Allen Co., Port Washington Rd., Milwaukee, (a) $49,800, (b) $30, (c) $41, (d) $10. Noted Feb. 9.

Missouri—State Hy. Dept., at div. office Certerville, opened bids Feb. 8 for five 80 ft. pony truss span bridges on road from Ellington northward, State Aid Project 18.47 C, Reynolds Co., from Riley & Bailey Constr. Co., St. Louis, $18,457; Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, $20,364; A. P. Munsen, 1185 4th Ave., Marion, Ia., $21,266. Noted Jan. 12.

Utah—State Rd. Comn., Salt Lake City, 141,500 lb. steel for 2 highway bridges. Federal Aid Project 306, near Ogden, from Amer. Bridge Co., Walker Bank Bldg., Salt Lake City, $0.0423 per pound; Security Bridge Co., 502 North 32nd St., Billings, Mont., $0.0427; Minneapolis Steel Co., South Temple St., Salt Lake City, $0.0433.

CONTRACTS AWARDED

Ga., St. Marys—State Hy. Dept., Atlanta, 1,300 ft. creosoted timber bridge across St. Marys River, 220 ft. steel draw, concrete piers, to E. W. Parker, Curry Bldg., Tampa, Fla. $100,000.

Ill., Cairo—Alexander Co., 110 ft. steel truss span, rein.-con., piers, 20 ft. roadway, to Luchow & Sherertz, Marion, $31,000. Noted Jan. 5.

Ill., Rockford—Winnebago Co., Sugar River Bridge between Harrison and Shirland Twps., to Guaranty Constr. Co., 305 Essex Bldg., Minneapolis, Minn., $22,186. Noted Jan. 19.

Wis., Prescott—Prescott Bridge Co., 540 ft. steel bridge over St. Croix Lake, 2 spans, center span to be movable direct lift, concrete roadway, to Pepard & Fulton, 217 Bd. Trade Bldg., Superior, $90,000. Noted Jan. 12.

Kan., Hiawatha—Brown Co., 5 bridges to A. R. Stimson, 1516 Boswell St., Topeka, $21,056; 1 bridge to Yancey Constr. Co., Abeline, $6,279. Noted Jan. 26 under "Streets and Roads."

Kan., McPherson—McPherson Co., one 30 ft. I beam, three 50 ft. pony trusses and one 120 ft. through truss, steel, to Missouri Valley Bridge & Iron Co., 1006 Schweiter Bldg., Wichita, $24,351. Noted Jan. 5.

Tex., Abilene—Taylor Co., 200 ft. concrete girder bridge 20 ft., on State Highway 1, to F. P. McElwrath, Corsicana, $18,951. Noted Feb. 9.

Tex., La Grange—Fayette Co., 197 ft. rein.-con. arch bridge across East Navidad River, to L. Robertson, Schulenburg, $27,087. Noted Feb. 9.

Wash., Tolt—Comrs. King Co. (Seattle) 200 ft. curved chord Pratt truss riveted span bridge on concrete piers, over Snoqualmie River, here, to J. A. McEachern Co., Bell St. Dock, Seattle, $28,800. Noted Jan. 26.

Dams

PROPOSED WORK

Mo., Linn Creek—W. R. Banks, Lamar, plans 3 dams and power houses on Osage River, here. Dams will vary from 15-40 in. in height, combined capacity 3,000 hp. $30,000. Engineer not selected.

Cal., Honcut — See "Excavation and Dredging."

Cal., Merced—See "Excavation and Dredging."

Cal., Oroville—See "Excavation and Dredging."

Railways

PROPOSED WORK

California—Supervs. San Francisco Co. voted $2,467,000 to construct Duboce Ave. route of Municipal Ry. System. $1,900,000 will be used for tunnel. M. M. O'Shaughnessy, city engr.

California—See "Excavation and Dredging", under Merced.

Excavation and Dredging

PROPOSED WORK

Ark., Eudora—Eudora Western D. D. soon takes bids 30 mi. open ditch, 10 mi. channel clearing, 4,900,000 cu.yd. excav. Baxter Eng. Co., Moore & Turner Bldg., Little Rock, engrs.

Cal., Crows Landing—West Stanislaus Irrigation Dist., Stanislaus Co., having plans prepared for works; calls for 500 cu.ft. per second from San Joaquin River by dredged canal 1¼ mi. long, then by lifts to successive stages of open channel or pipe. Centrifugal pumps, ranging from 12 to 72 cu.yd. second with total capacity of 250 cu.yd. second, being considered. L. McAulay, Newman, secy. E. N. Bryan, 601 Clunie Bldg., San Francisco, engr.

Cal., Honcut — Honcut-Yuba Irrigation Dist., Butte Co., to vote on $1,780,636 bonds Feb. 27, to construct 45 mi. main canals, hydraulic fill dam involving 830,000 cu.yd. excav. McCray Bros., 82 South 10th St., San Jose, engrs.

Cal., Jackson—Beckman & Linden Eng. Corp., 604 Mission St., San Francisco, preparing plans for irrigation system in Amador and Calaveras Counties, utilizing waters from Calaveras and Mokelumne Rivers. Plans incl. 5 mi. tunnels and canals, concrete diversion dam, 32 ft. high, 32,000 ft. ditch, Cyclopean masonry dam, 185 ft. high, 1,400 ft. long on top and 200 ft., on bottom, power house with Pelton water wheels, pumping plants, etc. $1,000,000.

Cal., Merced—Merced Irrigation Dist. voted $12,000,000 bonds for work in district; $2,500,000 to purchase system of Crocker-Huffman Land Co. New work includes rein.-con. dam, 300 ft. high, 800 ft. high, 400,000 cu.yd. concrete. $3,753,000; power house, 43,000 h.p., $2,000,000; relocation of 25 mi. Yosemite Valley R.R., $2,043,000; repairing present canals, $100,000; constructing new canals, $1,422,000; pumping plants booster plants, $102,000; booster laterals, $64,000; drainage, pumps and canals, $200,000. R. C. Starr, ch. engr.

Cal., Orange Cove—Foothill Irrigation Dist., Fresno Co., plans irrigating 55,364 acres, incl. 55 mi. concrete lined canals, pumping plants, etc. L. J. Williams, secy.

Cal., Oroville—Butte Co. Supervs. authorized formation of Thermalito and Table Mountain Irrigation Dists., Thermalito incl. 3,000 acres, Table Mountain 4,800 acres. Plans incl. ditches, pipe lines, Concow Valley Dam, earth, 70 ft. high, 20 ft. wide on top, 500 ft. long, 75 ft. wide on bottom, water side faced with rock and Lake Madeline Dam, earth, 39 ft. high, 1,851 ft. long on bottom, 12 ft. wide on top, water side faced with concrete. J. M. Howells, 58 Sutter St., San Francisco, engr.

BIDS DESIRED

N. Y., Buffalo—March 3, by Commissioner of Pub. Wks., Municipal Bldg., dredging Buffalo Inner Harbor to completed contract depth for maintenance of channel. G. H. Norton, Municipal Bldg., engr.

Minn., Bemidji—March 8, by A. D. Johnson, aud. Beltrami Co. and W. M. Everts, aud. Koochiching Co., International Falls, redigging 7 mi. Judicial ditch 36, lateral 2, 38,600 cu.yd. excav.; grading County Job 1914, State Rd. 12 (part of judicial ditches 5 and 36), 170,000 cu.yd. excav. $26,000.

Cal., Paradise—March 7, by G. C. Bille, secy. Paradise Irrigation Dist., for 4,900 ft. 18 x 28 and 8,200 ft. 14 x 24 trench and back fill, 13,119 ft. wood stave pipe and fittings, 600 ft. standard pipe and fitings, hauling and laying all pipe and fittings. L. M. Edwards, supt. of dist.

Excavation and Dredging (Continued)

BIDS RECEIVED

Ia., Council Bluffs—Pottawattamie Co., excavating 17 mi. old creek channel, Allen Creek D. D., 315,000 cu.yd. excav., from United Dredging Co., Wisconsin Rapids, Wis., $0.125 per cu.yd.; L. J. Wickham, 307 Grace St., $0.155; Callahan-Walker Constr. Co., 322 Peter Trust Bldg., Omaha, Neb., $0.18. Noted Oct. 6.

CONTRACTS AWARDED

Ill., Danville—Comrs. Stony Creek D. D., open ditch work, Stony Creek D. D., 93,758 cu.yd. excav., Vermilion and Champaign Counties, to N. J. Cole, Greenville, O., $0.0983 per cu.yd. Noted Jan. 19.

Ill., Kansas—Comrs. Union D. D., 16,300 cu.yd. excav., and enlarging channel, to J. P. Babcock, Paris. Noted Jan. 12.

Streets and Roads

PROPOSED WORK

R. I., Narragansett—Plans to issue bonds for new road construction. $75,000. Private plans.

R. I., Westerly—Plans to repair and build new permanent pavements. $65,000. Private plans.

Va., Norfolk—See "Sewers."

N. C., Graham—Alamance Co. plans to improve and build 15 roads. E. P. Dixon, Saxapahaw, comr.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled opening of bids Feb. 24, for grading, bridging and paving 5.599 mi. Sect. "A" Bellefontaine-Marysville Rd., Logan Co., rein.-con. Noted Feb. 9.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids opened Jan. 31, grading, bridging and paving 4.075 mi. Sect. "A" Cincinnati-Brookville Rd., Hamilton Co. Work will be readvertised. Noted Feb. 9.

O., Cleveland—Comrs. Cuyahoga Co. making plans building roadway on Lorain Ave. from West 117th St. to Rocky River Bridge. $540,000. F. J. Lander, Court House, engr.

O., Columbus—Franklin Co. making plans and soon takes bids grading, bridging and paving 3.13 mi. Poth Rd., 16 ft., Truro, Jefferson and Mifflin Twps., waterbound macadam, $64,023; 5.91 mi. Hayden Run Rd., 16 ft., Norwich and Washington Twps., waterbound macadam, $95,435. C. C. Lattimer, Court House, engr.

O., Columbus—Having revised plans prepared grading and paving 1½ mi. Leonard Ave. from viaduct to 5th Ave., 20 ft., asphalt, brick or concrete. $83,000. R. H. Simpson, City Hall, engr.

O., Dayton—Plans paving 600 ft. South Main St. from 5th to 6th St., 1,400 lin.ft. granite curb, 6,000 sq.yd. granite block on concrete, $30,000; 2,800 ft. North Main St. from Riverview to Locust St., 5,000 ft. granite curb, 8,000 sq.yd. brick block, 6,000 sq.yd. asphalt or wood block, $82,340. I. E. Houk, city engr.

O., Springfield—Opens bids about April 1, paving Belmont St. from Main St. to Cleveland, Cincinnati, Chicago & St. Louis R.R., brick, concrete or asphalt, $45,000; repaving East Main St. from Spring to Freeman Sts. and from end paving to tracks of Detroit, Toledo & Ironton R.R., asphaltic concrete or sheet asphalt, $50,000. E. E. Parsons, city mgr.

Mich., Bad Axe—Huron Co. had plans prepared for 3 mi. Class B or C gravel road, 12 ft., and 6 mi. Class B road, 9 ft., in Owendale, Windsor, Brookfield, Filion and Meade Twps., 53,000 sq.yd. surfacing, $50,000. W. W. Lavers, Bad Axe, engr.

Ill., Benton—Having surveys made paving ¾ mi. South McLeansboro Rd., Paving Dist. 13, 10,000 sq.yd. concrete, 1,200 ft. curbing, $50,000. C. B. Mautz, city engr.

Ill., Benton—Plans 20 mi. 2 course concrete sidewalks, 4 ft. $175,000. C. B. Mautz, city engr.

Ill., Lewistown—Fulton Co. receive bids about April 10, paving 3 mi. roads in Canton Twp. E. F. Motsinger, Canton, engr.

Ill., Morrison — Whiteside Co. making plans paving various roads, vitr. brick on concrete. $25,000. E. O. Hills, Court House, engr.

Ill., West Frankfort—Making plans paving Dist. 8 and 12, vitr. brick on concrete. $200,000. E. A. Fox, Court House, engr.

Wis., Chippewa Falls—Plans paving 1 mi. Main St., 30,000 sq.yd. one course rein.-con., concrete curbs and gutters. $30,000. O. Holway, City Hall, engr.

Wis., De Pere—Making plans and soon takes bids paving Birch, 8th, 9th, Main, Front, Grant, George, Lewis and James Sts., 40,000 sq.yd. rein.-con., sheet asphalt, asphaltic concrete or sandstone. H. R. Albert, Courthouse, Green Bay, engr.

Wis., New Richmond—Plans paving 1.7 mi. Main St., bituminous concrete, concrete curbs and gutters. $50,000.

Wis., Oshkosh—Takes bids in April paving 15,000 sq.yd. Oakwood Ave., Linwood Court, Otter St. from Bowen to Rosalin Sts., Monroe Ave. from North Park to Washington Sts., Congress St. from Algoma Blvd. to Elm St., Grant St. from Algoma Blvd. to Vinland St., Jefferson Ave. from Tennessee to Irvington Sts., Knapp St. from 4th to Durfee Sts., 18th St. from Oregon to Doty Sts., 1 and 2 course bitulithic concrete, concrete or tar macadam. G. Randall, City Hall, engr.

Ia., Clinton—Plans grading, curbing, guttering and paving 6 mi. streets in Sects. F-R inclusive, various types pavement. $423,300. L. S. Abbott, 410 Weston Bldg., engr. Noted Feb. 2.

Ia., Clinton—Plans paving 1 mi. Ninth St. from Main St. north to city limit, also Dist. 2, 2 in. bitulithic, willite, or asphaltic concrete on 5 in. portland cement concrete base, or 7 in. rein.-con. $51,000. L. S. Abbott, 410 Weston Bldg., engr.

Ia., Decorah—Plans paving 10 blocks Water St. from bridge to Montgomery St. $40,000. F. H. Hughes, clk.

Ia., Ft. Madison—Making plans paving 4 mi. various streets. $120,000. S. T. Albers, clk.

Ia., Sioux City—Making plans paving 1.5 mi. Riverside Blvd. from Military Rd. to Riverside Park. $40,000. A. M. Schott, city engr.

Minn., Hastings—Dakota Co. plans grading, graveling and building bridges on 25 mi. Rich Valley-Hampton Rd. from Rich Valley to State Rd. 6, 24 ft. $125,000. J. Swan, Hastings, engr. (Ramsey Co. has authorized payment of $100,000 as its share toward this project which lies wholly within Dakota Co.)

N. D., Grand Forks—Plans paving 47,000 sq.yd. Chestnut, Cottonwood, and Walnut Sts. from 2nd to 10th Aves. $165,000. J. J. Smith, city engr.

Wyoming—State Hy. Dept., Cheyenne, opens bids in about 2 months, grading and surfacing 8.566 mi. Wheatland South Rd. on Yellowstone Highway, Federal Aid Project 115, 18 ft., Platte Co., 15,000 cu. yd. surfacing material. $40,000. Z. E. Sevison, state highway engr.

Wyo., Casper — Plans paving Grant, Lincoln and Beech Sts., concrete, rein.con., bitulithic or warrenite on 4, 5 or 6 in. concrete. F. S. Knittle, city engr.

Missouri—State Hy. Dept., Jefferson City, plans 4.501 mi. road from Cairo to Poplar Bluff, Federal Aid Project 118, Sect. A, Stoddard Co., 9,634 cu.yd. earth excav., 9,546 cu.yd. borrow, 41,781 sq.yd. specification B gravel pavement and 96.3 cu.yd. concrete masonry, etc. $46,813. A. Graham, state highway engr.

Mo., Moberly—Making plans resurfacing various streets. $35,000. C. Haynes, Court House, engr. Noted July 14.

Tex., El Paso—El Paso Co. making plans grading and paving 7.7 mi. State Highway 33 from end project now under construction, 38,760 cu.yd. borrow and 5,780 cu.yd. roadway excav., 300.7 cu.yd. concrete, 82,100 sq.yd. concrete pavement, 25,090 lb. reinforcing, $225,000; widening present 12 ft. road to 18 ft., and paving with bituminous wearing surface on concrete 3 mi. State Highway 33 from Ysleta to Laniers Corner, 12,640 sq.yd. bituminous concrete, $34,600. L. A. White, co. engr.

Tex., Kaufman—Kaufman Co. making plans surfacing 10.54 mi. Highway 40 through Kaufman Precinct 1. $26,000. Barlett & Ranney, Inc., co. engrs.

Utah—State Hy. Dept., Salt Lake City, plans grading with surfacing with local gravel or shale, Natural Bridge Rd., San Juan Co. $80,000. B. F. Finch, U. S. Bureau of Pub. Roads, Odgen, engr.

Wash., Hoquiam — Opens bids about March 15, concrete paving Campbell's Hill Addition, East Hoquiam. $30,000. W. S. Lovejoy, Hoquiam, engr.

Wash., Montesano—Grays Harbor Co. opens bids within 30 days reconstructing and relocating 2.5 mi. Ocean Beach Highway from Wilderness to Copalis Crossing, 1.5 mi. Ocean Beach Highway beginning 5 mi. north of Hoquiam. H. S. Shorey, Montesano, engr.

Wash., Port Townsend—Jefferson Co. opens bids about March 15, replacing present trail with 12 ft. road, Hoh River Rd. $25,000. C. L. Peach, Port Townsend, engr.

Cal., Ventura—Bd. Supervs. Ventura Co. rejected bids opened Jan. 25, grading and paving Ventura Rd., 5 in. macadam. Noted Jan. 19.

Ont., Brantford—Brant Co. plans road repairs, new macadam roads and concrete and steel bridges. A. M. Jackson, County Bldg., road supt.

Ont., Guelph—Plans 2 mi. concrete pavements on Metcalfe, Alice and Queen Sts., 24 ft. $59,755. F. McArthur, city engr.

Ont., Hamilton—Voted $140,000 bonds for 3-4 mi. macadam or asphalt road on Hamilton Mountain. E. R. Gray, city engr.

Ont., Hensall—Having plans prepared concrete paving Elizabeth St. $32,000. Prices wanted on cement, also on road oiling machine and sprinkler. B. W. F. Beavers, Exeter, engr.

Ont., Kingston—Frontenac Co. having plans prepared for road improvements. $109,700. R. H. Fair, R. R. 5, road supt. and engr.

Ont., Kingsville—Having plans prepared paving Main, Pearl, Division, Mill and Maple Sts., 15,000 sq.yd. concrete, $50,000. R. W. Code, 18 London St., Windsor, engr.

Ont., Kitchener—Waterloo Co. plans to expend $300,000 for roads and bridges, (incl. several miles of macadam pavement). L. S. Litchy, Wellesley, road supt.

Ont., Ottawa — Suburban Rd. Comn., Thistle Bldg., plans macadamizing 4 mi. Russell Rd., $100,000; tarring Metcalfe Rd. and grading incline, $85,000; paving Richmond Rd., etc., $85,000. A. Hay, Thistle Bldg., engr.

Ont., St. Thomas—Elgin Co. plans to expend $35,000 for maintenance of existing roads; $20,000 for new roads; $5,000 for graveling and $10,000 for concrete bridges. F. Pineo, County Bldg., road supt.

Ont., Sandwich—Essex Co. plans new road construction, incl. concrete and macadam roads. $400,000. W. H. Kinster, road supt.

Ont., Sarnia—Lambton Co. takes bids early in spring 1¾ mi. concrete road, Sombra Twp. $40,000. J. Macallum, Alvinston, road supt.

Ont., Tillonsbury—Plans paving Washington Ave. and London St., waterbound macadam. $25,000. Prices wanted on materials. A. E. Raynes, City Hall, engr.

Ont., Toronto—Having plans prepared paving St. Clair Ave., Avenue and Grange Rds. and Gloucester, John and Pembroke Sts., asphalt on concrete. $227,305. R. C. Harris, city engr.

Ont., Toronto—Plans paving, curbing and guttering Yonge St. from Heath St. to city limits, $557,566, Teraulay St. from College St. to Davenport Rd., $240,896, Dundas St. from Yonge to Victoria Sts., $460,000, Lake Shore Rd. from Parkdale Drive to Jane St., $200,671, asphalt on concrete; Western Harbor Drainage system, $301,000. R. C. Harris, city engr.

Ont., Whitby—**Whitby Co.** coted $88,700 bonds for road and bridge work. D. J. Kean, County Bldg., engr.

Ont., Wingham—Plans concrete paving Diagonal Rd. and Josephine St. $35,000. Prices wanted on cement. R. Patterson, Goderich, engr.

BIDS DESIRED

New York—March 14, by H. S. Sisson, comr. State Hy. Dept., Albany, improving highways in Broome, Cattaraugus, Delaware, Dutchess, Fulton, Monroe, Oneida, Suffolk and Wyoming Counties. J. C. Finch, secy.; adv. this issue.

N. Y., Corning—Feb. 28, by Bd. Pub. Wks. at office of W. O. Drake, supt., rein.-con. pavement with integral curb and 2 concrete slab bridges; adv. this issue.

Streets and Roads (Continued)

N. J., Freehold—March 8, by Bd. Freeholders Monmouth Co., Court House, reconstructing Ocean Ave., in Sea Bright and Monmouth Beach Boros, sheet asphalt. J. W. Seaman, 192 Bway., Long Branch, civil engr.; adv. this issue.

N. J., Sea Bright—March 8, by Boro paving Ocean Ave. from east end of Rumson Rd. southwardly, sheet asphalt. J. W. Seaman, 192 Bway., Long Branch, engr.; adv. this issue.

Virginia—March 1, by State Hy Comn.., Richmond, grading, concrete paving, etc., 3,500 ft. Norfolk-Virginia Beach Blvd., 18 ft., Princess Ann Co. $25,000. J. P. Coleman, hy. comr.

Virginia—March 1, State Hy. Comn., Richmond, 6.4 mi. soil road on State Road 20 between Jetersville and Hogwallow, Virginia Project S-163, Nottoway and Amelia Counties. $25,000. G. P. Coleman, comr.

N. C., Sanford—March 7, by Mayor and Bd. of Aldermen, Town Hall, improving street, water and sewer lines. W. H. Fitts, mayor; adv. this issue. Noted Jan. 26.

South Carolina—Feb. 28, by State Hy. Dept., Columbia, topsoiling 12 mi. Walterboro-Branchville Rd., Colleton Co., and building 1 rein.-con. bridge with six 22 ft. spans. $53,000.

Fla., Bradentown—Feb. 27, by Comrs. Manatee Co., grading and paving 55 mi. Manatee-Oneco Rd. Dist., $200,000. Former bids rejected. McElroy Eng. Co., Giddens Bldg., Tampa, engrs. Noted Dec. 29.

Fla., Lake City—March 7, by Comrs. Columbia Co,. grading and clay surfacing 19 mi. Lake City-Ft. White Rd., $30,000; 6 mi. Ft. White-Mikesville Rd. and 13 mi. Lake City-Benton Rd., $30,000; 8 mi. Lake City-White Springs Rd. via Ross Hill, and 8 mi. Watertown-Lulu Rd., $25,000. J. L. Markham, clk.

Ohio—Feb. 28, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Allen Co., Sect. "G" Lima-Delphos Rd., 4.41 mi., bituminous macadam, $127,123, asphaltic concrete, $152,041, Kentucky rock asphalt, $153,491.

Hamilton Co., Sect. "U" Cincinnati-Dayton Rd., 1.45 mi., bitulithic, $89,053, bitoslag, $89,053, semi-monolithic brick, $92,844, (state to burnish brick), $67,930.

Lucas Co, Sect. "H-3" Toledo-Wauseon Rd., 2.15 mi., rein.-con., $69,837.

Madison Co., Sect. "West Jefferson" Columbus-Cincinnati Rd., 0.3 mi., bituminous macadam, $5,268.

Seneca Co., Sect. "E" Columbus-Sandusky Rd., 3.88 mi., bituminous macadam, $88,487. L. C. Herrick, dir. highways.

O., Cincinnati—March 3, by Hamilton Co., resurfacing Springdale Rd. from Cincinnati-Brookville Rd. to Hamilton Rd., 3,250 cu.yd. crushed stone, 58,400 sq.yd. rolling, $21,715; Hanly Rd. from Blue Rock to Sheed Rds., 1,750 cu.yd. sledged and crushed stone, 42,000 sq.yd. rolling, $20,457; Plainfield Rd. from Blue Ash to Amity Rds., 1,050 cu.yd. sledged and 700 cu.yd. crushed stone, 25,500 sq.yd. rolling, $9,159; Plainfield Rd. from Zanesville to Blue Ash Rds., 7,780 gal. Grade 2 tar, 9,350 sq.yd. rolling, $5,370; 1¼ mi. Brooks Rd. from Bond Rd., to Lawrenceburg-Harrison Rd., 6,000 cu.yd. earth excav., 3,600 cu.yd. crushed and 950 cu.yd. sledged stone, 50,000 sq.yd. rolling, $28,644; 0.9 mi. McKinney Rd. from Symmestown to Union Cemetary Rds., 2,000 cu.yd. earth excav., 2,500 cu.yd. crushed and 1400 cu.yd. sledged stone, 37,800 sq.yd. rolling, $25,000; 0.9 mi. Bloom Rd. from Cooper Rd. to Loveland-Madeira Rd., 10,000 cu.yd. earth excav., 1,650 cu.yd. crushed and 2,500 cu. yd. sledged stone, 59,000 sq.yd. rolling and 37,000 gal. Grade 1 tar binder, $35,456; Harrison Rd. from corporation line of Cheviot Rd. to River Bridge, 72,864 sq.yd. cleaning, 24,288 gal. Grade 2 tar and 820 cu.yd. sand, $8,760; Lawrenceburg-Harrison Rd. from Elizabethtown to state line, 63,644 sq.yd. cleaning, 21,215 gal. Grade 2 tar and 710 cu.yd. sand, $7,618; Loveland-Medeira Rd. from Camargo to Union Cemetary Rds., 50,186 sq.yd. cleaning, 16,728 gal. Grade 2 tar and 560 cu.yd. sand, $6,007; Camargo Rd. from corporation line of Cincinnati to Loveland-Madeira Rd., 21,191 sq.yd. cleaning, 7,064 gal. Grade 2 tar and 235 cu.yd. sand, $2,529; Carthage-Hamilton Rd. through Wyoming village, 14,600 sq.yd. cleaning, 4,866 gal. Grade 2 tar and 150 cu.yd. sand, $1,677; Wayne Rd. from Schwartzs Corner to Stewart Ave., 3,111 sq.yd. cleaning, 1,037 gal. Grade 2 tar, etc., $374. E. A. Gast, Court House, engr.

O., Cincinnati—March 7. by Comrs. Hamilton Co., oiling roads in Western Div., 140,000 sq.yd. cleaning, 70,000 gal. heavy and 10,000 gal. light oil, 1,000 cu.yd. sand, $12,650; Eastern Div., 150,000 sq.yd. cleaning, 70,000 gal. heavy and 10,000 gal. light oil, 1,000 cu.yd. sand, $12,675; Chavoit Div., 200,000 sq.yd. cleaning, 100,000 gal. heavy and 10,000 gal. light oil, 2,000 cu.yd. sand, $20,850; Glendale Div., 175,000 sq.yd. cleaning, 90,000 gal. heavy and 10,000 gal. light oil, 1,500 cu.yd. sand, $17,187. E. A. Gast, Court House, engr.

Ill., Hamilton—Feb. 27, paving 3 blocks Bway., asphaltic macadam. J. H. Crawford, clk.; adv. this issue.

Wis., Elkhorn—Feb. 28, by H. J. Peters, comr. Walworth Co, State Road and Bridge Comn., surfacing 3.3 mi. Delaven-Elkhorn Rd. from Codys Corners to Elkhorn, 35,104 sq.yd. concrete surfacing, 6,875 cu.yd. earth excav., 126.3 cu.yd. concrete, 18,625 lb. reinforcing; 5.63 mi. Whitewater-Richmond Rd. from Whitewater city limits to town line, 46,586 sq.yd. concrete surfacing, 15,675 cu.yd. earth excav., 199.4 cu.yd. concrete, 8,800 lb. reinforcing, 915 cu.yd. ditching. Wisconsin Hy. Comn., Madison, engrs.

Wis., Shawano—April 4 by D. E. Wescott, clk., paving 5th, Sawyer, Green Bay and Smalley Sts., 40,232 sq.yd. 1 course rein.-con., 21,050 lin.ft. concrete curbing, 21,050 lin.ft. concrete guttering. $50,000. L. P. Pelishek, Clintonville, engr.

Minn., Albert Lea—March 6, by F. Tavis, aud. Freeborn Co., paving 4.13 mi. Job 2117, Div. 1, State Rd. 17; 30,356 cu.yd. excav., 20,071 sta.yd. overhaul; 8.97 mi. Job 2214, State Rd. 14, 60,079 cu.yd. earth excav., 1,000 cu.yd. loose and 100 cu.yd. solid rock excav., 69,796 sta.yd. overhaul; 13.88 mi. Job 2205, State Rd. 5, 102,630 cu.yd. earth excav., 1,000 cu.yd. loose rock excav., 156,233 sta.yd. overhaul, one single span, 20 ft. steel girder with concrete abutments; 8.04 mi. Job 2212. State Rd. 12, 54,604 cu.yd. earth excav., 30,000 sta. yd. overhaul, $75,000. E. V. H. Brown, Albert Lea, engr.

Minn., Bemidji—March 8 by A. D. Johnson, aud. Beltrami Co., paving 2.9 mi. Federal Aid Project 135, State Rd. 12, 14,697 cu.yd. excav., 16,260 cu.yd. overhaul; 9.1 mi. Federal Aid Project 156, State Rd. 8, Divs. A and B, 56,702 cu.yd. excav., 45,740 cu.yd. overhaul, 10,951 cu.yd. gravel surfacing; 12 mi. Federal Aid Project 162, State Rd. 12, Divs. A and B, 19,723 cu.yd. excav., 89,085 cu.yd. overhaul, 26,881 cu.yd. gravel surfacing; 5.5 mi. Job 1907, State Rd. 12, 14,635 cu.yd. excav., 223,175 cu.yd. overhaul, 6,635 cu.yd. gravel surfacing; 4 mi. Job 1908, County Rd. 24, 12,365 cu.yd. excav., 12,000 cu.yd. overhaul, 3,200 cu.yd. surfacing; 4 mi. Job 1909, State Rd. 8, Div. A, 36,883 cu.yd. excav., 22,340 cu.yd. overhaul, 5,108 cu.yd. gravel surfacing, Div. B, 34,996 cu.yd. excav., 18,350 cu.yd. overhaul, 5,730 cu.yd. gravel surfacing, 3.4 mi. Div. C, 16,163 cu.yd. excav., 14,510 cu.yd. overhaul, 4,109 cu.yd. gravel surfacing; 1.5 mi. Job 1913, State Rd. 12, 6,700 cu.yd. excav., 16,000 cu.yd. overhaul, 1,672 cu.yd. surfacing; 26 mi. Job 1914, State Rd. 12, 62,400 cu.yd. excav. $140,000.

Minn., Pipestone—March 15, by T. A. Bailey, aud. Pipestone Co., paving Job 2201, State Rd. 2, known as Minneapolis Trunk Highway 6, Div. A, 3,063 cu.yd. excav., 2,880 lin.ft. 6 in. tile, 11,885 sq.yd. rein.-con., etc., $40,000; Div. B, 39,546 cu.yd. excav., 149,700 cu.yd. overhaul, etc, 8,800 lin.ft. 6 in. tile drains, 8,950 cu.yd. gravel screening, etc., $20,000; Div. C, 88,272 cu. yd. excav., 263,570 cu.yd. overhaul, 4,000 lin.ft. 6 in. tile drains, 8,950 cu.yd. gravel Keeler, Pipestone, engr. Noted Jan. 26.

Kan., Salina—March 3, by C. E. Banker, city clk., paving State, 11th, Wilson, Bond, Baker, Ohio, 9th, and Republic Sts., 3 in. vertical fibre brick, asphaltic concrete or asphalt macadam penetration, 1,080 lin.ft. curbing, 12,465 lin.ft. combined curb and gutter, 40,000 sq.yd. sidewalk, 8,862 cu.yd. earth excav. W. Theisner, City Hall, engr. Noted Jan. 26.

Missouri—Feb. 28, by State Hy. Dept., at div. office Waynesville, 4.076 mi. road from Waynesville southward, State Aid Project 20.131, Pulaski Co., 15,618 cu.yd. earth excav. and 92.1 cu.yd. concrete masonry, etc., $10,433; 4.448 mi. road from Waynesville northwestward, State Aid Project 20.137, Pulaski Co., $12,618; 3.494 mi. road from Dixon southward, State Aid Project 20.138, Pulaski Co., $12,608. A. Graham, Jefferson City, state highway engr. Noted Feb. 9.

Missouri—March 3, by State Hy. Dept. at div. office Ironton, 9.619 mi. road from Ironton to Glover, Federal Aid Project 105, Sect. A, Iron Co., $81,564; 7.075 mi. road from Glover to Sabula, Federal Aid Project 105, Sect. B, Iron Co., $81,724; 3.387 mi. road from Ironton to Piedmont, Federal Aid Project 105, Sect. C, Iron Co., $34,772. A. Graham, Jefferson City, state highway engr. Noted Jan. 26.

Missouri—March 4, by State Hy. Dept. at div. office Clinton, 1.9 mi. road from Clinton to Osceola, Federal Aid Project 87, Sect. 2, Henry Co., 460 cu.yd. earth excav., 40,083 cu.yd. borrow, 18,616 sq.yd. concrete pavement, and 16.7 cu.yd. concrete masonry, etc., $75,760; 3.2 mi. road from Clinton southward, Federal Aid Project 87, Sect. 1, Henry Co., 13,591 cu.yd. earth excav., 2,033 cu.yd. borrow and 102.8 cu.yd. concrete masonry, etc., $10,122. A. Graham, Jefferson City, state highway engr.

Missouri—March 8, by State Hy. Dept. at div. office California, 6.402 mi. road from California northward, State Aid Project 20.94, Moniteau Co. 225,743. A. Graham, Jefferson City, state highway engr. Noted Nov. 17.

Colorado—March 7, by State Hy. Dept., Denver, improving 1¼ mi. Vernon Canon Rd., 18 ft. Jefferson Co., 6,505 cu.yd. earth and 4,535 cu.yd. rock excav. $30,223. L. D. Blauvelt, State Museum Bldg., Denver, engr.

N. M., Albuquerque—March 15, by City Clerk, paving, curbing and guttering various streets. J. M. Gladding, city mgr.; adv. this issue.

Utah—Feb. 28, by State Rd. Comn., Salt Lake City, surfacing 1.37 mi. road from Springville to Utah Co. line, 6 or 8 in. concrete. $50,800. H. C. Means, state rd. engr.

Nevada—March 6, by State Hy. Comn., Carson City, grading and constructing culverts on Reno-Purdy Rd., Washoe Co., G. W. Borden, state highway engr.

Nev., Reno—March 13, grading, paving and surfacing Belmont Rd., California, Evans and Wheeler Aves., Plumas, Chestnut, Ralston, West 2nd, East 10th, 8th, Lake, East 6th, West, West 4th, Vine, Elm, East Mill and Cheney Sts. $243,913. H. Chism, city engr. Noted Dec. 29.

Cal., Escondido—Feb. 28, by Bd. Trustees, paving 2.5 mi. various streets, rein.-con. $50,000.

Cal., Fairfield—March 6, by Salano Co., grading and paving 6.08 mi. road County Rd. Dist. Impvt., Sunison 4, 25 ft., 5 ft. earth shoulders. $110,000. F. A. Steiger, co. surv. Noted Jan. 19.

Cal., San Luis Obispo—March 6, by Supervs. San Luis Obispo Co., constructing portions San Luis Obispo-Cambria Rd., 670 cu.yd. excav., 1,707 lin.ft. shaping and rolling, 705 cu.yd. concrete pavement; Templeton-Willow Creek Rd., 23,400 cu.yd. excav.; Guadalupe-Nipoma Rd., 7,200 cu.yd. excav., 6,475 cu.yd. concrete, 24,100 lin.ft. shaping and rolling and 21,200 lb. reinforcing steel. W. Burch, Lowe Bldg., co. surv.

Cal., Seal Beach—March 2, by City Trustees, grading and asphalt concrete paving Dolphin Ave., 10th, 11th, 12th, 13th and 14th Sts. Olmstead & Gillelen, Hollingsworth Bldg., Los Angeles, engrs.

Cal., Yuba City—March 7, by Supervs. Sutter Co., constructing Long Bridge-Tarke Rd., 2.55 mi. Long Bridge-Tarke Rd., 6,000 cu.yd. excav., 500 cu.yd. Butte House Rock, etc., $29,400, county to furnish necessary culvert pipe; improving portion Meridian-Kirksville Rd., 7,938 sq.yd. grading, 463 cu.yd. rein.-con. pavement, etc., $9,500, contractor to furnish all materials. O. Lanzendorf, co. rd. engr. Noted Jan. 26.

Ont., Huntsville—March 1, by T. M. Cullon, clk., paving ¾ mi. Main St., concrete or bitulithic penetration, with curbs, gutters and storm sewers. $50,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS RECEIVED

N. C., Greensboro—Guilford Co. improving 5.6 mi. Gibsonville-Kernodle Mill Rd., 2 in. Topeka on 5 in. concrete, from R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh $116,695; Elliott Sholes Co., Durham, $120,900; Royer-Ferguson Co., High Point, $132,000.

Streets and Roads (Continued)

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Feb. 10, grading, bridging and paving with (a) brick, (b) state to furnish brick, 1.51 mi. Sect. "T" Warren-Sharon Rd., Trumbull Co., from J. DeJute, Niles, (a) $61,211, (b) $50,000; MacDermott & Hannan, Niles, (a) $65,841; Kavanaugh-DeNiro Co., Youngstown, (a) $66,930; Keener & Bets, Madison, (b) $53,880; Lane & Freeman, Newman Stern Bldg., Cleveland, (b) $54,341. Noted Feb. 2.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Feb. 17, grading, bridging and paving roads with, (a) bituminous macadam (b) bituminous macadam (tar), (c) Kentucky rock asphalt, (d) rein.-con., (e) bituminous concrete, (f) asphaltic macadam, (g) tar macadam in following counties: Paulding Co., Sect. "H" Van Wert-Paulding Rd., 6.016 mi., 16 ft., from P. B. Putnam, Van Wert, (a) $113,395, (b) $112,831, (c) $129,755, (d) $145,043; H. E. Pratt Constr. Co., Mt. Blanchard, (a) $125,852, (b) $125,852; F. F. Walton Co., Upper Sandusky, (a) $126,253, (b) $129,638, (c) $142,148; Creager Bros., Liberty Center, (c) $149,836; R. C. Roach, Waterville, (d) $154,394; A. J. Baltes, Norwalk, (d) $154,753; Scott Constr. Co., Lima, (e) $174,362; Homeberger-Wagar Co., Feick Bldg., Sandusky, (e) $175,084; Lima Willite Paving Co., Lima, (e) $175,588. Williams Co., Sect. "G-1" Bryan-Napoleon Rd., 4.09 mi., 16 ft., from Brennan Constr. Co., Bryan, (f) $77,814, (g) $77,814; Pettibine & Graves, Lakeside, (f) $80,369, (g) $80,369; F. F. Walton, Upper Sandusky, (f) $81,540, (g) $83,882. Vinton Co., Sect. "C" McArthur-Gallapolis Rd., 2.995 mi., grading and bridging, from W. D. Winchell Co., 337 Siebert St., Columbus, $41,257; J. M. Day, Peebles, $41,560; Randich & Co., Huntington, W. Va., $41,711. Pickaway Co., Sect. "New Holland" Cincinnati-Zanesville Rd., rein.-con. bridge, from C. J. Wibble, Westboro, $3,249; Mark M. Gerkin, Washington, C. H., $3,446; W. E. McGee & Son, Chillicothe, $3,478.

Wis., West Bend—Washington Co. surfacing Milwaukee-Hartford Rd., State Trunk Highway 29, concrete from Brogan & Schaefer, 700 Dousman St., Green Bay, $71,415; Widell Co., 229 South Front St., Mankato, $72,818; Jacobus & Winding, State St., Wauwatosa, $79,344.

Missouri—State Hy. Dept. at div. office Neosho, opened bids Feb. 7, 9.957 mi. road from Seneca to Neosho, Federal Aid Project 182, Newton Co., (1) 25,952 cu.yd. earth excav., (2) 10,721 cu.yd. borrow, (3) 78,348 sq.yd. specification C gravel pavement, (4) 15,451 sq.yd. gravel surface course, etc., from J. P. Wolfenberger, Neosho, (1) $0.22, (2) $0.33, (3) $0.37, (4) $0.30, total $51,753; A. T. Davis & Co., Oklahoma City, Okla., (1) $0.40, (2) $0.30, (3) $0.35, (4) $0.25, $54,218; Maxwell Constr. Co., Columbus, Kan., (1) $0.30, (2) $0.30, (3) $0.385, (4) $0.33, $55,965. Noted Jan. 26.

Tex., Canadian—Opened bids Feb. 1, paving various streets, from Panhandle Constr. Co., Lubbock, $46,389; B. W. Weld, Canadian, $47,120; Jordan Constr. Co., Plainview, $50,772. Noted Jan. 26.

Colorado—State Hy. Dept., Denver, paving 4½ mi. Lincoln Highway, south of Ft. Collins and north of Loveland, 18 ft., concrete, Larimer Co., from Mutual Constr. Co., 419 Quincy Bldg., Denver, $124,393; A. L. Johnson, Brighton, $127,663; W. B. Cheek, Ft. Collins, $128,688.

CONTRACTS AWARDED

Va., Norfolk—Paving Olney Rd., Monticello, Colley and Newport Aves., Lexington and Starke Sts., to F. J. McGuire, Paul-Gale-Greenwood Bldg., $238,210. Noted Feb. 16.

W. Va., Weston—Lewis Co. paving Broad Run Rd., 28,161 sq.yd. one-course concrete, and 400 sq.yd. Telford base; Hackers Creek Rd., 28,161 sq.yd. one-course concrete and 400 sq.yd. Telford base, to E. J. Bitting, c/o L. Troxwell, Co. clk., Weston, $120,550; Hilly-Upland Rd., 42,242 sq.yd. one-course concrete and 400 sq.yd. Telford base; Haleville Rd., 3,302 sq.yd. one-course concrete, 100 sq.yd. Telford base, to Ferguson Bros. Co., Shinnston, $107,214.

Fla., Pensacola—For brick paving O, Jackson and O Sts., to J. Gerkens, 800 North Hayne St., **$42,930.**

Fla., Sebring—Grading, paving and curbing 4 mi. Mango, Lemon, Eucalyptus, Pomegranate, Poinsetta and Ridgewood Sts., 43,000 sq.yd. asphaltic concrete on stone base, to McDonald Constr. Co., Lakeland, $113,310. Noted Feb. 16.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 2.865 mi. Sect. "M" Van Wert-Ottawa Rd. and 0.595 mi. Sect. "Ottoville" Van Wert-Ottawa Rd., Putnam Co., Kentucky rock asphalt, to Newell & Smith, Defiance, $70,000 and $14,336 respectively. Noted Feb. 9.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Mahoning Co., Sect. "D" Youngstown-East Liverpool Rd., 3.15 mi. long, 16 ft., plain concrete, to T. W. Miller Contg. Co., Youngstown, $89,732. Madison Co., Sect. "West Jefferson" National Rd., 0.235 mi. long, 16 ft., grading and paving, bituminous macadam, to Renick & Smith, Columbus, $4,132. Pickaway Co., Sect. "U" Columbus-Portsmouth Rd., new sub-structure and concrete girder bridge and building approaches, to Stout & Stout, Stoutsville, $6,264. Pike Co., Sect. "A" Waverly-Zohn's Corner Rd., bridge approaches, to J. Walsh, 1496 Dell Ave., Columbus, $4,545. Vinton Co., Sect. "F" McArthur-Jackson Rd., 0.31 mi. long, 16 ft., repairing bridge, reshaping roadway and paving, bituminous macdam, to C. A. Lunsford, Logan, $5,284. Noted Feb. 2.

Mich., Eagle River—State Hy. Dept., Lansing, grading and surfacing 8.6 mi. State Trunk Line Rd. 83-1, to Keweenaw Co. Rd. Comn., Eagle River, 62,896 cu.yd. excav., $0.42; 123.2 cu.yd. 1:2:4, 106.8 cu. yd. 1:2½:5, 132.2 cu.yd. 1:3:6 concrete, $16, $15 and $14 respectively; 80,725 sq.yd. stamp sand surface, $0.32, etc., total **$69,211.**

Ill., Beardstown — Paving various streets, vitr. brick and asphalt on concrete, to J. D. McCarthy, Beardstown, $138,000. Noted Nov. 3.

Ill., Cairo—Alexander Co., novaculite gravel paving State Aid Route 2, Sect. 3-15D, State Aid Routes 2 and 3, Sect. F-15D, State Aid Route 3, Sect. G-15D, State Aid Route 3, Sect. H-15D, State Aid Route 3, Sect. 8-15D, to Cameron Joyce Co., Keokuk, Ia., $300,000. Noted Jan. 5.

Kan., Hiawatha—Brown Co., grading 6.756 mi. Capitol Highway, Federal Aid Project 104, to A. R. Stimson, 1516 Boswell St., Topeka, $28,620. Noted Jan. 26.

Kan., Leavenworth—For rein.-con. retaining wall, filling in streets, paving with vitr. brick on concrete, to F. P. Sargent, Leavenworth, $26,000.

Minn., Duluth—Paving 2nd. St. from 4th Ave. W. to 26th Ave. E., 56,770 sq.yd. bituminous concrete, 4,080 lin.ft. concrete curbing and 13,780 lin.ft. sandstone curbing, 900 ft. 12 in. and 466 ft. 18 in. sewer pipe, etc., to D. H. Clough & Co., 707 East Superior St., $237,837.

S. D., Winner—For grading and paving various streets, 22,000 cu.yd. excav., 70,770 sq.yd. paving, to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, Minn., $0.65 per cubic yard for grading, $3.31 per square yard for 53,000 sq.yd. asphalt concrete on 5 in. base, and $3.56 for 17,770 sq.yd. on 6 in. base. Noted Jan. 12.

Tex., Dallas—Paving Maple Ave. from Wolf to Throckmorton Sts., bitulithic, to Texas Bitulithic Co., Praetorian Bldg., $90,412.

Tex., Georgetown—Williamson Co. grading and limestone shale surfacing 7.51 mi. State Highway 36-B, Federal Aid Project 255, to Kuykendall & Shelton, Temple, $24,429. Noted Jan. 19.

Tex., La Grange—Fayette Co. grading and gravel surfacing 3.21 mi. State Highway 3, State Aid Project 256, to Starke & Smith, 303 Stewart Bldg., Houston, $13,003; 7,836 cu.yd. gravel surfacing furnished by county, cost $16,835. Noted Feb. 9.

Tex., Laredo—Webb Co., scarifying, reshaping, gravel surfacing and bituminous topping 8 mi. State Highways 2 and 12, to Haden & Austin, 727 Kress Bldg., Houston, $48,434. Noted Feb. 16.

Colorado—State Hy. Dept., Denver, concrete paving .833 mi. road in Aurora, Federal Aid 131, Adams and Araphoe Counties, to Colorado Bridge & Constr. Co., 601 Gas & Electric Bldg., Denver, $30,693; .596 mi. road between Denver and Arvada, Jefferson Co., to J. F. Roberts, 206 Tramway Bldg., Denver, $22,718. Noted Feb. 2.

California—State Hy. Dept., Sacramento, grading 5.7 mi. highway between Sierra Natl. Forest and Briceburg, corrugated metal pipe, to F. Rolandi, 550 Montgomery St., San Francisco, $177,484. Noted Feb. 16.

Industrial Works

PROPOSED WORK

Conn., Hartford—Buck & Sheldon, archts. and engrs., 60 Prospect St., soon let contract 1 story, 50 x 250 ft., mill construction addition to machinery plant, plain foundation, Wellington Ave. for Bush Mfg. Co., Wellington Ave. $50,000.

Conn., Wallingford—Wallingford Steel Co., 60 Academy St., plans plant, incl. 1 story, 100 x 130 ft., brick and steel, 1 story, 40 x 100 ft. metal sided and 1 story, 25 x 100 ft. frame structure. Private plans.

Pa., Phila.—C. Zeisloft, c/o A. C. Bofzner, archt., 717 Walnut St., having plans prepared for 1 story, 110 x 116 ft. brick and steel garage, plain foundation, Ridge Ave. and Lyceum St. $60,000.

Pa., Phila.—A. W. Pusey, West End Trust Bldg., had plans prepared by N. Hulme, archt., 1524 Chestnut St., 3 story, 35 x 160 ft. rein.-con. and brick garage, plain foundation, Watts and Girard Aves. $50,000.

Md., Ilchester—Mineral Potash Co., 712 Equitable Bldg., Baltimore, having plans prepared 1 story, 50 x 150 ft., galvanized iron factory, here. $50,000. L. A. Hazard, pres.

Va., Winchester—Amer. Gas. Impvt. Co., 2 Rector St., New York, plans purchasing interests of Winchester Gas Co., and having plans prepared by D. B. Steinman, engr., 25 Church St., New York, addition to gas plant, main extensions, etc. $150,000.

W. Va., Huntington—Huntington Transfer & Storage Co. takes bids in spring, 5 story, 100 x 100 ft., rein.-con. storage building, 14th St. and 7th Ave. $70,000. R. L. Day, 1st Natl. Bank Bldg., archt.

N. C., Kingston—H. C. Hines having plans prepared by K. W. Schantz, engr., c/o owner, for 2 story, 30 x 100 ft. brick and steel factory, plain foundation. $50,000

O., Cleveland—See "Buildings."

O., Columbus—Expression Piano Player Co., 1278 West Broad St., having plans prepared 2 story, 48 x 100 ft., brick and concrete factory. $40,000. Architect's name withheld.

O., Zanesville—Pure Ice Co., Underwood St., having plans prepared by A. C. Bishop & Co., archts. and engrs., 427 Guardian Bldg., Cleveland, brick and steel plant, plain foundation. $50,000.

Mich., Ypsilanti—Owen Sanitarium Co. having plans prepared by Menefee & Streeter, engrs., Marquette Bldg., Detroit, 2 story, rein.-con., brick and steel plant. $800,000.

Ill., Aurora — Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, having plans prepared brick and steel power house, here. $100,000. W. T. Krausch, 547 West Jackson Blvd., Chicago, engr. buildings.

Ill., Elgin—Elgin Stove and Oven Co., 14 Chicago St., plans 2 story factory, brick, steel and stone. $50,000. F. W. Dieterich, genl. mgr. Architect not selected.

Wis., Appleton—J. Belzer, 776 Lawe St., plans 2 story, 40 x 120 ft., brick and concrete garage, plain foundation, College Ave. $40,000. Private plans.

Wis., Merrill—Merrill Buick Co. plans 1 story, 57 x 125 ft. garage, repair shop and display room, brick, rein.-con. and tile, plain foundation, Main St. $55,000. Architect not selected.

Wis., Milwaukee — A. Seidenschwartz, archt., 425 East Water St., takes bids about Feb. 27, 1 story, 100 x 150 ft., brick and concrete garage, plain foundation, Cherry St. $45,000. Owner's name withheld.

Wis., Milwaukee—R. B. Williamson, archt., Bway. Bldg., opens bids about Feb. 27, 1 and 2 story, 50 x 160 ft., brick and concrete garage, plain foundation, Walnut St., for A. Kaufman, 1325 Vliet St. $40,000. Noted Feb. 9.

Wis., Mimocqua—See "Buildings."

Wis., Sheboygan—Sheboygan Gas Co., 618 North 8h St., having plans prepared by E. A. Stubenrauch, archt., 629 North 8th St., 1 story, 42 x 146 ft., brick and rein.-con. plant, plain foundation. $60,000.

Wis., South Milwaukee—Bucyrus Co. opens bids about Feb. 27, 1 story, 60 x 278 ft. foundry, brick and steel, plain foundation. F. D. Chase, Inc., 645 North Michigan Ave., Chicago, archts.

Ia., Muscatine — City voted $350,000 bonds for brick and concrete electric light and power plant. C. F. Stebbins, clk. Noted Feb. 2.

Minn., Red Wing—City plans electric light and power plant. $350,000. S. T. Irvine, clk.

Mo., Hannibal — Robinson Bros. Paint Co., 201 South 5th St., plan brick and concrete warehouse and factory. $40,000. Architect not selected.

Industrial Works (Continued)

Ore., Portland—R. A. Wurzburg, pres. Columbia Tire Corp., Northwest Bank Bldg., open bids early in March, 2 story, about 80 x 350 ft. tire factory, Columbia Blvd. along tracks of Oregon Washington R.R. & Navigation Co. $80,000.

Cal., Merced—See "Excavation and Dredging."

BIDS DESIRED

Conn., Allingtown (New Haven P. O.)—D. E. Smith, archt., 152 Temple St., New Haven, taking bids 1 story, 156 x 201 ft., brick and steel plant and 1 story, 40 x 50 ft. boiler house and garage, for Velvet Textile Corp., Box 1962, New Haven. $100,000. Noted Feb. 9.

N. J., Camden—March 20, by Ballinger Co., archts. and engrs., 12th and Chestnut Sts., Phila., 7 story, rein.-con., brick and steel factory and warehouse, plain foundation, Federal St., here, for J. V. Van Scriver Co., c/o D. Jostro, Front and Federal Sts. $500,000.

Pa., Butler—March 1, by Hunting-Davis Co., archts., Century Bldg., Pittsburgh, 3 story, 83 x 110 ft. garage and sales building, Main St., for Butler Buick Co., Main St.

Pa., Phila.—March 1, by Curtis-Grindrod Co., engrs., 10 South 18th St., 1 story, 30 x 164 ft. rein.-con., brick and steel garage, plain foundation, 877 North 45th St., for T. Aiken, c/o engineer. $50,000.

Ill., Chicago — Ronneberg, Pierce & Hauber, archts., 10 South La Salle St., receiving bids 1 story, 100 x 175 ft. factory, rein.-con., brick and steel, 900-908 George St., for L. Pelton, Franklin St. and Jackson Blvd. $45,000. Noted Feb. 2.

Ill., Chicago—I. Engel (owner and architect), 3056 Palmer Sq., receiving bids 1 story, 100 x 125 ft., garage and auto sales station, rein.-con., brick and steel, Milwaukee Ave. near Crawford Ave. $40,000.

Mo., St. Louis—March 4, by Bonsack & Pearce, archts., Laclede Gas Bldg., 1 story, 75 x 95 ft., rein.-con., brick and steel garage, for D. F. McCabe, 6407 Ridge Ave. $40,000. Noted Feb. 16.

Wis., Spencer—Spencer Condensory Co. receiving bids 2 story, 50 x 94 ft., concrete condensory, plain foundation. $50,000. Noted Jan. 12.

CONTRACTS AWARDED

Conn., East Hartford—H. E. Bidwell, 209 State St., 1 story, 50 x 125 ft. garage, sales and service building with 15 x 122 ft. ell, rein.-con. and brick, plain foundation, Connecticut Blvd., to S. C. Poriss Co., 54 Church St., Hartford. Noted Jan. 5.

Conn., Hartford—Hartford Electric Light Co., 266 Pearl St., 1 and 2 story, 75 x 155 ft., brick and steel addition, Sheldon St., to Industrial Constr. Co., 721 Main St.

Conn., Thompsonville—Bigelow-Hartford Carpet Co., 58 Main St., will build 1 story, 85 x 115 ft., brick and steel addition, plain foundation, by day labor. $40,000.

Pa., Johnstown—Cupp Grocery Co. 723 Railroad St., 2 story, 65 x 115 ft., rein.-con. and brick warehouse, Cherry and Baumer Sts., to Berkebile Bros., Swank Bldg., $85,000.

Pa., Phila.—E. J. McAleer & Co., 1420 North 8th St., 5 story, 84 x 130 ft. rein.-con. and steel factory and warehouse, plain foundation, 1422 North 8th St., to A. R. Roff, 1635 Thompson St., $65,000.

D. C., Wash.—Amer. Dairy Supply Co., 318 Main Ave., S. W. factory, to Meatyard Constr. Co., Davidson Bldg., $40,000.

Va., Richmond—Nolde Bros. Inc., 306 North 26th St., (general contract) altering and building 2 story, 59 x 91 ft. addition to bakery, 2510 East Broad St., to J. Fox & Sons, 25th and Franklin Sts. Noted Dec. 1.

O., Ashtabula—City, 1 story, 80 x 80 ft., brick, steel and concrete power plant, plain foundation, to Alexander Bros., 426 Williamson Bldg., Cleveland. Item previously reported let to Service Constr. Co.; this firm disbanded and contract sold to Alexander Bros. Noted Nov. 9.

O., Cleveland—A. Sogg, archt., 319 Hippodrome Bldg., 1 and 2 story, 75 x 90 ft. foundry and machine shop, brick and steel, plain foundation, East 93rd St. and Catherine Ave., to Gometz & Neshkes, 2233 East 89th St., for Sterling Brass Co., 4610 St. Clair Ave. Noted Jan. 12.

O., Lakewood (Cleveland P. O.)—Lakewood Fireproof Storage Co., Detroit and Lincoln Aves., 4 story, 60 x 100 ft. storage building addition, rein.-con., brick and steel, plain foundation, to S. W. Emerson Co., 1900 Euclid Ave., Cleveland, $150,000. Noted July 7.

Ill., Chicago—Briskin Mfg. Co., 2 story, 50 x 127 ft. factory, rein.-con., brick and steel, 215-17 South Hoyne Ave., to Waldman Constr. Co., 155 North Clark St., $40,000.

Wis., Appleton Junction—Appleton Wood Products Co. will build 1 and 2 story, 50 x 120 ft., brick and concrete warehouse, plain foundation, by day labor. $49,000. Private plans.

Wis., Hartford—Gehl Bros. Monument Co., 2 story, 42 x 106 ft., marble factory, brick, rein.-con. and stone, plain foundation, to G. Hron, Main St. Noted Jan .19.

Wis., Milwaukee — International Harvester Co., 217 Oregon St. 1 story, 20 x 50 x 100 ft., brick and concrete garage, plain foundation, Reed St., to Dahlman Constr. Co., 456 Bway. Noted Jan. 26.

Wis., Milwaukee—Palm Olive Co., 42 4th St., 1 story, 60 x 130 ft. storage plant, rein.-con., plain and wood pile foundation, 5th St., to W. W. Oeflein, 86 Michigan St. $40,000.

Wis., Milwaukee—Phoenix Knitting Co., 208 Bway., 8 story, 120 x 180 ft., dye house and finishing plant, rein.-con. and brick, plain foundation, Milwaukee and Buffalo Sts., to W. W. Oeflein, 86 Michigan St., $500,000. Noted Feb. 2.

Wis., St. Cloud—Abhold & Wagner, general contract, 1 story, 45 x 85 ft., brick and rein.-con. garage, plain foundation, to R. W. Keach, Main St., $40,000.

Mo., St. Louis—C. Ulman, 4540 Lindell Ave., 1 story, brick and steel garage, 221 York Ave., by day labor. $40,000. P. J. Bradshaw, archt., International Life Bldg., will supervise and sublet contracts. Noted Dec. 29.

Buildings

PROPOSED WORK

Mass., Dartmouth—High School—School Bd. plans high school $150,000. Architect not selected.

Mass., Pittsfield—Hospital—Boylan Memorial Hospital, 31 Springside Ave., plans modern structure, East St. $150,000. Architect not selected.

Mass., Williamstown—Gymnasium—Williams College plans gymnasium and athletic field, Campus. $350,000. Architect not selected.

Mass., Williamstown — School — School Building Comn. having plans prepared by Harding & Seaver, archts., 7 North St., Pittsfield, 2 story, 60 x 160 ft., brick and steel, School St. $150,000.

R. I., Westerly—School—School Comn. plans 2 story on Pleasant and High Sts., also brick and steel in Bradford section. $150,000 each. Architect not selected.

Conn., Waterbury — Home — Southmayd Home, 73 Wilson St., plans 2½ story, Boulevard. $150,000. Architect not announced.

Conn., Waterbury—Synagogue—Beth-El Congregation plans 2 story, 60 x 135 ft., brick and steel, Central St. $150,000. L. M. Raffell, 65 Bank St., pres.

N. Y., Brooklyn—School—St. Barbara's Roman Catholic Church, Central Ave. and Menehan St., soon takes bids 3 story, brick, steel and stone, plain foundation. $150,000. F. J. Berlenbach, 260 Graham Ave., archt. and engr.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York, had plans prepared by C. B. J. Snyder, archt. and engr., Municipal Bldg., New York, P. S. 125, 5 story, brick, steel and stone, plain foundation, Linden Ave., here. $850,000.

N. Y., Elmhurst (Flushing P. O.)—School—Bd. Educ., 500 Park Ave., New York, had plans prepared by C. B. J. Snyder, archt. and engr., Municipal Bldg., New York, P. S. 102, 3 story, brick, steel and stone, plain foundation, Van Horn St., here. $350,000.

N. Y., New York—Apartment—L. Billingsley, c/o C. S. Clark, archt. and engr., 441 East Tremont Ave., had plans prepared brick, steel and stone, plain foundation, 172nd St. and Grand Concourse. $1,500,000.

N. Y., New York—Apartment—Vyse Building Corp., c/o Shape, Bready & Peterkin, archts. and engrs., 50 East 42nd St., had plans prepared 5 story, brick, steel and stone, plain foundation, Bryant Ave. and 173rd St. $150,000.

N. Y., New York—Hospital—Hospital for Joint Diseases, 124th St. and Madison Ave., having preliminary plans prepared by Buchman & Kahn, archts. and engrs., 56 West 45th St., 8 story, brick, steel and stone addition, plain foundation.

N. Y., New York—Office and Loft—Roy Realty Co., c/o D. M. Wortman, archt. and engr., 116 Lexington Ave., had plans prepared 5 story, brick, steel and stone, plain foundation, Madison Ave. $300,000 Noted Dec. 22.

N. Y., New York—Synagogue—Congregation of the Free Synagogue, S. S. Wise, chn., 23 West 90th St., plans 5 story, brick, steel and stone, plain foundation, 32-44 West 68th St. $250,000. Architect not selected.

N. J., Jersey City—School—C. F. Long, archt. and engr., 665 Newark Ave., opens bids about March 3, 3 story, 70 x 125 ft., brick and granite, for St. Joseph's Roman Catholic Church, c/o architect. $200,000. Noted Dec. 22.

N. J., Toms River—High School—Bd. Educ. having plans prepared by C. F. Cook, Ashbury Park Trust Bldg., Ashbury Park, for high school. $200,000.

Pa., Butler—Sales, etc—Butler Buick Co., Main St., having plans prepared by Hunting-Davis Co., archts., Century Bldg., Pittsburgh, 3 story, 85 x 110 ft. sales and service building, rein.-con., Main St. $150,000.

Pa., Franklin—High School—Plans election to vote on $200,000 bonds for 2 story, 90 x 150 ft. high school, Otter St. Architect not selected.

Pa., McKees Rocks—School—Bd. Educ. plans school. $150,000. J. H. Humes, 717 Chartiers Ave., secy. Architect not selected.

Pa., Monogehela—High School—School Bd. plans 20 room high school, $200,000. Architect not selected.

Pa., Mt. Carmel—Theatre and Office—W. H. Lee, archt., 32 South 17th St., Phila., soon takes bids 3 story, 100-150 ft. rein.-con., brick and steel, plain foundation, here, for Chamberlain Amusement Co., 46 West Independent St., Shamokin. $200,000.

Pa., Phila.—Church—St. Rose of Lima Parish, c/o L. A. Bourne, 63rd and Callowhill Sts., having plans prepared by C. J. Mitchell, archt., 23 South 16th St., and soon takes bids for 3 story, 62 x 130 ft. brick, steel and stone, plain foundation, 59th and Landsdowne Aves. $200,000.

Pa., Phila.—Office—Mastbaum Bros. & Fletcher, 1424 South Penn Sq., having plans prepared by Hoffman-Henon Co., bids 2 story, 20 x 120 ft. rein.-con., brick and steel, plain foundation, 1525 Walnut St. $150,000.

Pa., Phila.—Theatre—R. Beard, archt., 712 North Franklin St., soon takes bids 1 story, 227 x 228 ft. rein.-con., brick and steel, plain foundation, 52nd and Poplar Sts., for Maxwell Amusement Co., c/o architect. $200,000.

Pa., Sewickley—High School—Bd. Educ. plans high school. $250,000. Architect not selected.

Pa., Tamaqua—Hotel—Tamaqua Hotel Co., c/o W. A. McGonigle, having plans prepared by Ritter & Shay, archts., North Amer. Bldg., Phila., 5 story, 75 x 100 ft., brick, steel and stone, plain foundation, 150 West Broad St. $400,000.

Pa., Wilkinsburg—Theatre, Store and Office—E. E. Eaton, 733 Ross St., receiving sketches for 2 story, 122 x 133 ft. 712-714 Penn Ave. $200,000.

Md., Baltimore—Office—R. J. Gill, Keyser Bldg., having plans prepared by C. N. and N. Friz, archts., Lexington Bldg., 10 story, brick and stone, 23 East Baltimore St. $300,000. C. L. Reeder, 916 North Charles St., engr.

D. C., Wash.—Hotel—Salvation Army, 930 Pennsylvania Ave., plans brick and stone, Pennsylvania Ave and B St., N. W. $300,000. Private plans.

D. C., Wash.—Showroom and Store—C. W. Semms, 1132 Connecticut Ave., N. W., having plans prepared by G. N. Ray, archt., 1147 Connecticut Ave., N. W., showroom and store. $200,000.

Va., Charlottesville—Church—St. Pauls Episcopal Church had plans prepared by Ludlow & Peabody, archts., 101 Park Ave., New York, 3 story, stone, at University of Virginia, here. $200,000.

Va., Heathsville—Hotel, etc.—See "Miscellaneous."

Va., Norfolk—Church—Church of the Sacred Heart, 340 York St., had plans prepared by Peebles & Ferguson, archts., Law Bldg., for church, Blow St., and Armistead Bridge Rd. Cost, several thousand dollars.

Va., Norfolk—Municipal—Plans municipal building on 9th and Granby Sts. $900,000. W. H. Taylor, dir. pub. wks. Architect not selected.

Va., Richmond—Store—W. H. Schwarschild, 628 East Broad St., plans 3 story, 40 x 120 ft., brick and steel, 7th and Broad Sts. $180,000.

Buildings (Continued)

Va., Suffolk—High School—Authorized $150,000 bond issue for high school. R. H. Brinkley, city mgr.

W. Va., Charleston—Market—H. A. Robson, Charleston Natl. Bank Bldg., and H. G. Smith, having plans prepared by D. Dick & Son, archts., 8 Masonic Bldg., for market on Dickinson St. $175,000.

W. Va., Huntington—Office—Jackson Building and Loan Assn., 912 9th St., having plans prepared by Meanor & Handloser, archts., Robson-Prichard Bldg., 8 story, 30 x 90 ft., 9th St. $150,000.

W. Va., Morgantown—Store—Comuntzis Bros. open bids about March 1, 4 story, 54 x 100 ft., concrete; brick, tile and marble. High St. $150,000. C. Reger, Morgantown, archt.

W. Va., Wheeling—Club House—Fort Henry Club, Chapline St., having sketches made by E. B. Franzheim, archt., 1425 Chapline St., remodeling, altering and building addition. $200,000. C. W. Bates, 77 12th St., and F. F. Farris, Wheeling Steel Bldg., associated archts.

W. Va., Wierton — High School — Bd. Educ. plans 2 story, 20 room, high school. Cost to exceed $150,000. W. D. Johnston, Hollidays Cove, dist. school supt.

N. C., Gastonia—Hospital—Gaston Co. voted $150,000 bonds for hospital, here.

N. C., Hickory—Hotel—G. W. Hall having plans prepared by F. B. Simpson, archt., 110 East Lane St., Raleigh, hotel. $250,000.

Fla., Daytona—Arcade and Office, etc.—F. N. Conrad and Associates, Merchants Bank, had plans prepared by Fuquay & Gheen, archts., Daytona, 3 story, 200 x 600 ft., hollow tile, brick and concrete, Beach and Palmetto St. $200,000.

La., New Orleans — Temple — Grand Lodge of Masons of Louisiana, Masonic Temple, approved tentative plans prepared by S. Stone, Jr., archt., 714 Union St., for 16 story, 100 x 170 ft. limestone and terra cotta, St. Charles and Perdido Sts. $2,250,000. Noted Jan. 20.

O., Cleveland—Apartments—I. Koslen, 3167 Euclid Heights, Blvd., Cleveland Heights, having sketches made by M. Weiss, archt., 618 Union Bldg., three 3 story, brick, steel and concrete, plain foundations, Lennox Rd., here. $300,000.

O., Cleveland — Commercial, etc. — J. Laronge, 214 Williamson Bldg., interested in company which is being organized to construct 3 story commercial building and factory, brick, steel and concrete, plain foundation, Payne Ave. and East 23rd St. $300,000. Architect not selected.

O., Clyde—High School—Bd. Educ. had plans prepared by Walker & Norwick, archts., 1301 Amer. Bldg., Dayton, 2½ story school. $150,000.

O., Columbus — J. W. Pontius, secy. Y.M.C.A., South 3rd St., rejected bids opened Feb. 9, 8 story, 187 x 187 ft., Long and Front Sts. Work will be readvertised. $650,000. Noted Jan. 26.

O., Dayton — Community House — St. Mary's Catholic Church, Xenia Ave., plans 3 story, 130 x 170 ft., brick and concrete. $150,000. B. J. Beckmeyer, pastor. Architect not selected.

O., East Cleveland (Cleveland P. O.)—Church—St. Philomenas Church, c/o J. Smith, pastor, 13824 Euclid Ave., plans 1 story, brick and steel, plain foundation, Wellesley and Euclid Aves. $200,000. Architect not selected.

O., East Cleveland (Cleveland, P. O.)—School—Bd. Educ., c/o C. B. Tilden, dir., plans 2 story, brick, steel and concrete, plain foundation, Caledonia Ave. $150,000. Architect not selected.

O., Independence—School—Bd. Educ. having plans prepared by Fulton, Taylor & Cahill, archts., 8120 Euclid Ave., Cleveland, 2 story, brick, steel and concrete, plain foundation. $150,000. A. Cody, clk.

O., Kenmore—School—Bd. Educ. having plans prepared by M. P. Lauer, archt., Ohio Bldg., Akron, 2 story, brick, steel and concrete, plain foundation. $250,000. Phegley & Sezekely, 5716 Euclid Ave., Cleveland, engrs.

O., Marion—Hotel—Marion Hotel Co. having plans prepared by W. E. Russ & Co., archts., 313 North Pennsylvania St., Indianapolis, Ind., Hotel Harding, 8 story, 80 x 140 ft., brick, steel, stone and concrete, Main St. $500,000.

O., Milo (Columbus, P. O.)—School—Bd. Educ., Town and High Sts., Columbus, having plans prepared by H. D. Smith, archt., 50 East Town St., Columbus, 2 story, 60 x 100 ft., brick and concrete addition to school, here. $150,000.

O., Youngstown — Store and Office—McCrory Co., 1107 Bway., New York, plans 48 x 150 ft., Hazel and Federal Sts., here. Cost between $250,000 and $500,000.

Ind., Ft. Wayne—Church—Trinity Lutheran Church, c/o B. Goodhue, archt. and engr., 2 West 47th St., New York, having sketches made 2 story, brick and stone, plain foundation, here. $250,000.

Ind., Indianapolis—Court House—Comrs. Marion Co. plan 1 story, concrete and stone addition, Delaware and Washington Sts. $250,000. Architect not selected.

Mich., Detroit—Apartment—R. H. Marr, archt., 2631 Woodward Ave., preparing plans for 4 story, 80 x 100 ft. brick, steel and stone, plain foundation, Woodward Dist. $175,000. Owner's name withheld.

Mich., Detroit — Mercantile — Thompson Realty Co., c/o Esselstyn & Murphy, archts. and engrs., Marquette Bldg., had plans prepared for two 2 story buildings, 427 x 700 ft., brick and steel, plain foundation, Woodward Ave. $400,000.

Mich., Grand Rapids—School—Bd. Educ. having plans prepared by H. H. Turner, archt., Michigan Trust Bldg., 2 story, rein.-con., brick, steel and terra cotta, plain foundation. $200,000.

Mich., Pontiac—Bank and Office—Pontiac Commercial Savings Bank, having plans prepared by Smith, Hinchman & Grylls, archts., 710 Washington Arcade, Detroit, 8 story, 60 x 145 ft. brick, steel and stone, plain foundation. $400,000.

Mich., Royal Oak—School—Madison & Hubbel, archts., take bids about March 1, 3 story, rein.-con. and brick, plain foundation, Washington Site, for Bd. Educ. $200,000. Noted Jan. 5.

Ill., Aurora—Station—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, making plans 2 story, 54 x 163 ft. rein-con., brick, stone and steel, here. $300,000. A. W. Newton, ch. engr., W. T. Krausch, 547 West Jackson Blvd., Chicago, archt.

Ill., Charleston—High School—Bd. Educ. having plans prepared by C. D. Mitchell, archt., Mitchell Bldg., 2 story, rein.-con., brick and stone. $150,000. Noted Aug. 25.

Ill., Chicago—Apartment—T. R. Bishop, archt., 35 South Dearborn St., soon takes bids 3 story, 120 x 130 ft., rein.-con., brick and steel, 70th St. near Crandon Ave., for A. E. Sward, c/o architect. $500,000.

Ill., Chicago—Apartment—T. R. Bishop, archt., 35 South Dearborn St., soon takes bids 3 story, 80 x 180 ft., rein.-con., brick and steel, 69th St. and Crandon Ave., for P. J. Campbell, 6616 Kimbark Ave. $180,000.

Ill., Chicago—Apartment—A. S. Hecht, archt., 155 North Clark St., soon takes bids 3 story, 110 x 125 ft., rein.-con., brick and steel, Blackstone and 65th St., for H. F. Bloomfield, c/o architect. $250,000.

Ill., Chicago—Church—Trinity Methodist Episcopal Congregation, 4158 West Adams St., having plans prepared by Tillmadge & Watson, archts., 189 West Madison St., 189 x 200 ft., rein.-con., brick and steel, 99th St. and Winchester Ave. $150,000.

Ill., Chicago—Hotel—Natl. Automobile Hotel Co., c/o Glaver & Dinkelberg, archts., 400 North Michigan Ave., having plans prepared 25 story, 72 x 140 ft., rein.-con., brick and steel, 62-66 East Lake St. $1,200,000.

Ill., Eldorado—Hotel—H. E. Boyle & Co., archts., Furniture Bldg., Evansville, Ind., preparing plans brick hotel, here, $150,000. Owner's name withheld.

Ill., Evanston — Church — English Lutheran Church, c/o W. C. Jones, archt., 19 South La Salle St., Chicago, having plans prepared rein.-con., brick and steel. $200,000.

Ill., Evanston — Church — Hemenway Methodist Episcopal Church, Hinman and Church Sts., having revised plans prepared by Talmadge & Watson, archts., 189 West Madison St., Chicago, 1 story, rein.-con., brick, steel and stone, Hinman St. and Chicago Ave. $150,000. Noted Sept. 22.

Ill., Geneva—High School—Bd. Educ. having plans prepared by J. W. Royer, archt., Flat Iron Bldg., Urbana, 2 story, rein.-con., brick, stone and steel. $150,000. Noted Jan. 12.

Ill., Mattoon — Bank and Office — State Natl. Bank having plans prepared by S. Spencer & Sons, archts., 37 West Van Buren St., Chicago, 4 story, 44 x 100 ft., rein.-con., brick and stone. $200,000. F. T. Maloney, pres.

Ill., North Aurora—Coliseum—Central States Exposition, 57 Main St., Aurora, having plans prepared 1 story, 200 x 350 ft., concrete, brick, steel and stone. $150,000. Private plans.

Ill., North Aurora—Fine Arts, etc.—Central States Exposition, 57 Main St., Aurora, having plans prepared by H. L. Booth, archt., 722 Oakwood Blvd., Chicago, fine arts, horticultural and agricultural buildings, each 1 story, 100 x 200 ft.; women's building, 1 story, 100 x 300 ft.; grandstand, 7,500 capacity; and dance pavilion. $500,000.

Ill., Peoria—Store—Clarke & Co., c/o Hewitt & Emerson, archts., 1600 Peoria Life Bldg., having plans prepared 8 story, 72 x 85 ft. brick and steel. $250,000.

Ill., Pontiac—High School—Community High School Building Comn. having plans prepared by J. Royer, archt., Flat Iron Bldg., Urbana, 2 story, rein.-con., brick, steel and stone. $150,000.

Wis., Appleton—Store—Wichman Furniture Co., 991 College Ave., having preliminary plans prepared by E. Wettengel, archt., 578 Pierce Ave., 3 story, 60 x 120 ft., brick and concrete, plain foundation, College Ave. $150,000.

Wis., Appleton—Temple—Masonic Organizations plan to combine and build 3 story, College Ave. $175,000. G. E. Buchanan, 523 College Ave., chn. Building Com. Architect not selected.

Wis., Black River Falls—High School—Bd. Educ., c/o F. W. Price, plans 2 story, 60 x 100 ft., brick and rein.-con., plain foundation. $165,000. Architect not selected.

Wis., Chippewa Falls—High School—Bd. Educ., c/o E. O'Neill, had plans prepared by E. J. Hancock, archt., Laycock Bldg., Eau Claire, and soon takes bids 2 story, 89 x 200 ft., brick and tile, plain foundation, Main St. $175,000.

Wis., Madison—City Hall Election in April to vote on $700,000 bonds, 100 x 200 ft., brick, rein.-con. and steel. H. C. Buser, City Hall, clk. Architect not selected.

Wis., Milwaukee—Lodge—Juneau Lodge, K. of P., 302 West Water St., plans 3 story, brick and concrete plain foundation. $150,000. Architect not selected.

Wis., Minocqua—Hotel, etc.—Minocqua Heights Hotel Co., c/o H. T. Ames, having plans prepared by A. H. Rantz, archt., Minocqua, 4 story, 75 x 250 ft. hotel and garage, brick and rein.-con., plain foundation. $150,000.

Wis., Platteville—Lodge—Masonic Lodge, c/o F. W. Marcussen, plans 2 story, 50 x 115 ft., brick, rein.-con. and stone, plain foundation. $150,000. Architect not selected.

Wis., Randon Lake—School and Church—St. Marys Congregation plans 2 and 3 story, 60 x 85 ft., brick, rein.-con. and stone, plain foundation. $150,000. F. J. Hillenbrand, pastor. Architect not selected.

Wis., Rhinelander — Hotel — Wisconsin Hotel Co., D. C. Sargent, mgr., Palmer House, Fond du Lac, plans 6 story, 75 x 195 ft., brick and rein.-con., plain foundation, Main St., here. $200,000. Architect not selected.

Wis., Sheboygan—Church—St. Andrea's Congregation, 1101 Bway., having plans prepared by E. A. Stubenrauch, archt., 629 North 8th St., Sheboygan, 2 story, 70 x 100 ft., brick, rein.-con. and stone, plain foundation. $150,000. Noted Feb. 9.

Ia., Ottumwa—Church—St. Mary's Parish having plans prepared by H. P. Hess, archt., 4811 Brilliant Ave., St. Louis, Mo., 1 story, 60 x 135 ft., rein.-con., brick, stone and steel. $150,000. Noted June 16.

Ia., West Union—Court House—Fayette Co. having plans prepared by J. G. Ralston, archt., Waterloo, 3 or 4 story, rein.-con., brick, tile and stone. $300,000.

Minn., Albert Lea Hotel—J. Higgins, mgr. South Minneapolis Gas & Electric Co., interested in local company which is being formed and having plans prepared by F. D.

Buildings (Continued)

Chase Inc., archts., 5301 Western Ave. Blvd., Chicago, for 9 story, rein.-con., brick, tile and stone. $400,000.

Minn., Albert Lee—Office—South Minnesota Gas & Electric Co. having plans prepared by F. D. Chase, Inc., archts., 5301 Western Ave., Chicago, 4 story, rein.-con., brick and tile. $150,000.

Minn., Minneapolis—Club House—Lake Street Dist. Assn. of Commerce, 3010 27th Ave. E., plans 3 or 4 story, rein.-con., brick, tile and stone, Lake St. $250,000. W. N. Comer, pres. Architect not selected.

Minn., Minneapolis—Parcel Post Office—Johnson, Drake & Piper, Inc., 809 1st Natl.-Soo Line Bldg., having plans prepared by Newstrom-Lindquist Co., archts., 810 Lumber Exch., 3 story, 104 x 155 ft., rein.-con., brick and stone, 2nd St. and Marquette Ave. $200,000. U. S. Government, lessee. Noted Dec. 15.

Minn., Preston—School—Bd. Educ. plans 3 story, rein.-con., brick, steel and stone. $175,000. E. A. Highum, clk.

Minn., St. Paul—High School—Dept. of Educ. having plans prepared by C. A. Hausler, city archt., City Hall, 2 story, rein.-con., brick, tile and stone, Hamline Dist. $400,000.

Minn., Waseca—High School—Bd. Educ. having plans prepared by W. B. Ittner, archt., Bd. of Educ. Bldg., St. Louis, Mo., 3 story, rein.-con., brick, tile and stone. $250,000.

Kan., Goodman—High School—Bd. Educ. having plans prepared by Keene & Simpson, archts., Reliance Bldg., Kansas City, Mo., 2 story, 140 x 150 ft., brick, rein.-con. and steel. $150,000. Noted Oct. 27.

Kan., Lawrence — Administration — State Bd. Administration, University of Kansas, State House, Topeka, having plans prepared by R. L. Gamble, archt., State House, Topeka, 4 story, brick, stone, rein.-con. and terra cotta, here. $250,000. J. A. Kimball, business mgr.

Kan., Leavenworth—School—Bd. Educ. plans school. $450,000. C. A. Smith, 602 Finance Bldg., Kansas City, Mo., archt.

Kan., McPherson—School—Bd. Educ., c/o Secretary, plans 3 story, brick, steel, rein.-con. and stone. $155,000. Architect not selected.

Kan., Parsons—Auditorium and City Hall—Having plans prepared by T. W. Williamson & Co., archts., Central Natl. Bank Bldg., Topeka, 2 story, 100 x 140 ft., rein.-con., steel and brick. $175,000. Noted Sept. 29.

Kan., Rosedale—Hospital, etc.—Bd. Administration, c/o J. A. Kimball, business mgr., Topeka, having plans prepared by R. L. Gamble, archt., 1415 Fillmore St., Topeka, 3 story hospital and power plant, fireproof and brick. $300,000.

Kan., Salina—Bank and Office—Natl. Bank of America having plans prepared by Wight & Wight, archts., 1st Natl. Bank Bldg., Kansas City, Mo., 7 story, 58 x 100 ft., rein.-con., brick and steel. $400,000.

Kan., Wichita — **Store**—Dunn Mercantile Co., 724 Main St., having plans prepared by G. Thomas, archt., Caldwell-Murdock Bldg., 2 story (ultimately 4 story) 100 x 140 ft., brick, stone, rein.-con. and steel, North Topeka Ave. $150,000.

Kan., Wichita—Store, etc.,—E. V. Schnoor & Co., 113 East Douglas St., having plans prepared by E. Forsbloom, archt., Sedgwick Bldg., 3 story, 42 x 138 ft., store, warehouse and office building, brick, stone and rein.-con. $150,000.

Neb., Lincoln—High School—Bd. Educ. having plans prepared by Fiske & Meginnis, archts, 533 Bankers Life Bldg., 1 story, rein.-con., concrete and steel. $160,000.

Neb., Lincoln—Hospital—Lincoln Hospital Assn. plans hospital. $250,000. J. L. Teeters, 1812 D St., chn. Davis & Wilson, 515 Security Mutual Bldg., archts.

Wyo., Casper—High School—March 6, to vote $500,000 bonds for high school. Garbutt, Weidner & Sweeney, Casper, archts.

Mo., St. Louis—Store, Office and Lodge—Nolte & Nauman, archts., Fullerton Bldg., preparing plans 8 story, 50 x 135 ft., brick and stone. $150,000. Owners name withheld.

Tex., El Paso—School—School Bd. having plans prepared by Trost & Trost, archts., two Republics Bldg., 24 room incl. auditorium, Elm St. and Grant Ave. $175,000. C. S. Ward pres.

Tex., San Antonio—Lodge—Elks Lodge, Pecan and Navarro Sts., plans 7 story, 84 x 150 ft., addition, Navarro and Martin Sts. $300,000. Architect not selected.

Col., Boulder—High School—School Dist. 3 having plans prepared by R. K. Fuller, archt., 310 Foster Bldg., Denver, Junior High School. V. M. Smith, secy. Noted Dec. 15.

Col., Denver — Temple — Colorado Consistory 1, Masonic Temple Bldg., having plans prepared by W. N. Bowman, archt., Central Savings Bank Bldg., 3 story, 125 x 125 ft., stone, steel and rein.-con., plain foundation, 14th and Grant Sts. $500,000.

Col., Trinidad—School, etc.—School Dist. 1, voted $150,000 bonds, 8 room addition to Centennial school, also auditorium and gymnasium at High School. W. M. and I. H. Rapp Co., Masonic Bldg., archts.

Ore., Portland—Hospital—Emanuel Hospital, 212 Stanton St., having plans prepared by E. Kroner, archt., Worcester Bldg., 6 story, 109 x 228 ft., L shaped, rein.-con., brick and terra cotta, Graham and Commercial Sts. $250,000.

Ore., Portland — **Lodge** — Odd Fellows Hall Assn. having plans prepared by E. Kroner, archt. Worcester Bldg., 4 or 5 story, 100 x 100 ft., rein.-con., steel, brick, marble and terra cotta, 10th and Salmon Sts. Cost between $165,000 and $200,000.

Cal., Oakland—Market and Store—N. De Vaux, Foothill Blvd. and 69th St., soon takes bids 2 story, 176 x 300 ft., rein.-con., West Telegraph Ave. between 19th and William Sts. $200,000. M. I. Diggs, Easton Bldg., archt.

Ont., Cooper Cliff—School—Pub. School Bd. plans 2 story, 8 room, rein.-con., brick and steel school, to replace one recently destroyed by fire. $150,000. A. Gallagher, secy. Architect not selected.

Ont., Hamilton—Theatre and Apartment—F. Guest, 74 Proctor Blvd., having plans prepared by B. H. Prack, archt., 1 Main St. E., 3 story, rein.-con., brick and steel. $200,000.

Ont., Kitchener—School—School Bd. having plans prepared by D. R. Franklin, archt., 2 College St., Toronto, for Suddaby School, 2 story, 8 room, concrete, brick, steel and tile. $175,000.

Ont., Toronto—Church—St. Clair Ave. Methodist Church plans 1 story, brick and steel, St. Clair Ave. Cost between $150,000 and $175,000. C. Summerfield, 47 Humewood Dr., chn. building com. Architect not selected.

Ont., Toronto — Clubhouse — Aura Lee Athletic Club, 205 Avenue Rd., plans rein.-con., brick and steel, Avenue Rd. $150,000. Architect not selected.

BIDS DESIRED

N. Y., Niagara Falls—High Schools—E. J. Fort, city mgr., 251 2nd St., taking bids for 2 junior high schools. Associated Architects, 409 3rd St., archts. Noted Feb. 9.

Pa., Drexel Hill—Apartment—E. H. Wanamaker taking bids for 3 story, 35 x 119 ft. brick, steel and stone, plain foundation. $200,000. C. M. Talley, 2536 North 31st St., Phila., archt.

Pa., Phila.—Theatre and Office—March 1, by Hoffman-Henon Co., archts., Finance Bldg., 3 story, 110 x 180 ft. rein.-con., brick and steel, plain foundation, 1825 Market St., for A. M. Greenfield, 15th and Chestnut Sts. $500,000. Noted Jan. 19.

D. C., Wash.—Apartment—M. G. Lepley, (archt. and owner), 1402 I St., N. W., receiving bids for apartment. $175,000.

Va., Norfolk—Church and Sunday School—March 10, by J. W. Manning, chn. building comn., 1212 Natl. Bank of Commerce Bldg., 1 story church and 3 story Sunday school, 100 x 125 ft., Mt. Airy granite, backed with brick, terra cotta and Indiana limestone trimmings, or all brick, 34th and Llewellyn Aves. $175,000 to $200,000. W. N. Nichlas, 1900 Euclid Ave., Cleveland, O., archt.

N. C., Carthage—Court House—March 21, by Comrs. Moore Co., 3 story, 65 x 125 ft., rein.-con., brick and stone. $150,000. C. G. Sayre, Anderson, S. C., archt. Noted Feb. 9.

N. C., Pembroke—School—March 8, by O. R. Sampson, chn. building com., Indian Normal School, containing 12 rooms, auditorium, etc. J. M. Kenedy, Merchants Bank Bldg., Raleigh, archt.

O., Alliance—School—March 10, by Bd. Educ., Liberty School, 2 story, brick and concrete. $180,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

O., Avon Lake—School—March 6, by Bd. Educ., 2 story, 78 x 160 ft., brick, steel and concrete, plain foundation. $150,000. Fulton, Taylor & Cahill, 8120 Euclid Ave., Cleveland, archts. Noted Nov. 24.

O., Cleveland—Apartment—L. N. Rich, Society for Savings Bldg., taking bids 4 story, 108 x 140 ft., brick and steel, plain foundation, Overlook and Hampshire Rds. $200,000. T. C. Minor, Wade Park Ave. and Ansel Rd., archt.

O., Cleveland—Commercial and Apartment—March 6, by W. B. Rosenzweig, Society for Savings Bldg., 2 story, 92 x 125 ft., brick, plain foundation, Denison and Elmwood Aves. $150,000. A. F. Janowitz, Permanent Bldg., archt.

O., Cleveland—Store and Apartment—A. Horwitz, Society for Savings Bldg., taking bids 2 story, brick and steel, plain foundation, Euclid Ave. and Alcoy Rd. $150,000. N. Petti, 1526 Williamson Bldg., archt.

O., Columbus—Exhibit—March 16, by State Dept. Agriculture, Hartman Bldg., 1 story, 300 x 350 ft., brick and steel, containing 1,834 stalls for livestock, State Fair Grounds. $175,000. C. A. Harsh, state archt.

O., Dover—High School—March 6, by Bd. Educ. 2 story, 88 x 112 ft., brick, steel and concrete, plain foundation. $150,000. Allen Osborn Co., Rose Bldg., Cleveland, archts. and engrs. Noted June 30.

O., Moline—High School—March 3, by Bd. Educ. Lake Twp., 2 story, 88 x 131 ft., brick and concrete. $165,000. Langdon & Hohly, 1331 Nicholas Bldg., Toledo, archts.

O., Painesville—High School—March 9, by Bd. Educ., 2 story, 190 x 210 ft., brick and concrete. $295,000. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted Jan. 12.

O., Port Clinton—High School—March 1, by Thayer & Johnson, archts., New Castle, Pa., 3 story, 61 x 125 ft. high school, here. $150,000. Noted Jan. 12.

O., Ravenna—School—March 4, by Bd. Educ. Franklin Twp., Portage Co., 2 story, 62 x 83 ft., brick, steel and concrete, plain foundation. $150,000. Mills & Millspaugh, 67 East Long St., Columbus, archts.

O., Toledo—School—March 13, by Architect of Bd. Educ., Administration Bldg., 3 story, 160 x 200 ft., rein.-con., brick and steel, plain foundation, $275,000.

Ind., Indianapolis—Bank and Office—J. F. Wild & Co., 123 East Market St., receiving bids 12 story, 30 x 120 ft., brick and stone, 123-127 East Market St., $1,000,000. F. S. Cannon, 21 Virginia Ave., archt. Ammerman & McColl, Occidental Bldg., engrs. Noted Jan. 6.

Ind., South Bend—School—March 16, by Bd. Educ., 1 story, 200 x 300 ft., brick and stone. $600,000. Frevermuth & Maurer, 654 Farmers Trust Bldg., archts. Noted Feb. 9.

Ill., Chicago—Apartment—Levy & Klein, archts., 111 West Washington St., receiving bids 3 story, 110 x 120 ft., rein.-con., brick and steel, on Spaulding Ave. near Ainsley Ave. $150,000. Owner's name withheld.

Ill., Chicago—Apartment—D. D. Meredith, archt., 4819 North Albany Ave., receiving bids 3 story, 50 x 183 ft., rein.-con., brick and steel, 4864-8 Magnolia Ave., for Florentine Building Corp., c/o architect. $200,000.

Ill., Chicago—Apartment—Rissman & Hirschfield, archts., 139 North Clark St., receiving bids 3 story, 100 x 150 ft., rein.-con., brick and steel, Aldine Ave. near Bway., for D. Greenberg 3012 West Roosevelt Rd. $350,000. Noted Feb. 9.

Ill., Chicago—Office and Sales—A. S. Alschuler, archt., 28 East Jackson Blvd., receiving bids 3 story, 100 x 300 ft., rein.-con., brick and steel, 22nd St. and Michigan Ave., for Hudson Motor Car Co., 25th St. and Michigan. $350,000.

Ill., Joliet — Club — Zimmerman, Saxe & Zimmerman, archts., 64 East Van Buren St., Chicago, receiving bids 4 story, 109 x 112 ft., rein.-con., brick and steel, Webster Ave. and Chicago St., for Joliet Council 385,

Buildings (Continued)

Knights of Columbus, 305 North Chicago Ave. $250,000. Noted Aug. 25.

Wis., Cudahy—Grade School—March 10, by Bd. Educ., 2 story, 80 x 155 ft., brick and tile, plain foundation. $150,000. F. H. Williamson, clk. Rosman & Wierdsma, 424 Jefferson St., Milwaukee, archts. Noted Jan. 26.

Wis., Racine—Temple—Feb. 27, by E. B. Funston Co., archts., Janes Bldg., and Masonic Temple Assn., 1145 Main St., 2 story, 100 x 120 ft., brick and concrete, plain foundation, Main St. $200,000. Noted Nov. 24.

Wis., Sparta—Lodge—March 15, by Valley Lodge No. 60 F. & A. M., c/o R. A. Richards, 2 story, 75 x 110 ft., brick and rein.-con., plain foundation, Main St. $150,000. Private plans.

Ia., Des Moines—High School—March 9, by Bd. Educ., for Roosevelt School, 3 story, rein.-con., brick, tile and stone, Park Blvd. and Center St. $1,100,000. Former bids rejected. Froudfoot, Bird & Rawson, 810 Hubbell Bldg., archts. Noted Feb. 9.

Minn., Duluth—Jail—March 7 by F. W. Boigen, aud. St. Louis Co., 3 story, 115 x 128 ft., rein.-con. and steel, (stone and granite faced) 2nd St. and 6th Ave. W. $375,000. Holstead & Sullivan, 407 Palladio Bldg., archts. and engrs. Noted Mar. 24.

Tex., Dallas—School—March 14, (change of date), by Dewitt & Lemmon, archts., 806 Southwestern Life Bldg., 2 story, 160 x 175 ft., brick, Gaston and Washington Sts., for Bd. Educ. $150,000. Noted Jan. 5.

BIDS RECEIVED

N. J., Swedesboro—High School—Bd. Educ. opened bids 2 story, cut stone and brick, from Sinclair & Griggs, Medical Arts Bldg., Phila., $158,000; Irvin & Leighton, 126 North 12th St., Phila., $159,800.

Ia., Waterloo—Hospital—Allen Memorial Hospital Assn., 4 story, 44 x 230 ft., rein.-con., brick and tile, Logan Ave. (general contract) from Register & Buxton, Waterloo, $120,644; G. Scales, Waterloo, $132,000; Grahn & Bathurst, 638 Plymouth Bldg., Minneapolis, Minn., $135,800. Noted Feb. 3.

Kan., Peabody—High School—Bd. Educ opened bids Feb. 8, (general contract), 2 story, brick, from Scott Bros., Peabody, $124,274; Murch Bros., Ry. Exch. Bldg., St. Louis, Mo., $128,000; H. E. McCort, Coffeyville, $133,314. Noted Jan. 26.

Cal., Hayward—School—Hayward Grammar School Dist., 2 story, rein.-con. school, general and carpentry contract from Ruegg Bros., Pacific Bldg., San Francisco, $103,293 and $47,510 respectively; concrete work from Sorenson Bros., 3219 Ellis St., Piedmont, $24,380.

Cal., San Jose—Hospital—San Jose Hospital Assn., 3 story, fireproof construction, East Santa Clara St. near 14th St., general contract from E. E. Etherton, Monadock Bldg., San Francisco, $172,000; heating, J. E. O'Meara, 443 Minna St., San Francisco, $24,644. Noted Dec. 15.

CONTRACTS AWARDED

R. I., Providence—Chemical Laboratory—Brown University, 3 story, 50 x 224 ft., brick and concrete, Waterman St. to E. Corning Co., 145 East 45th St., New York, $500,000. Noted Jan. 5.

N. Y., New York—Apartment—Buildwell Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., brick, steel and stone, plain foundation, 179th St. and Andrews Ave., by day labor. $200,000.

N. Y., New York—Apartment—Five Hundred Nine West 155th St. Corp., c/o C. B. Meyers, archt. and engr., 31 Union Sq., 6 story, brick, steel and stone, plain foundation, West 155th St. $450,000. Work will be done by separate contracts under supervision of architect.

N. Y., New York—Loft—Courtlef Realty Co., c/o G. and E. Blum, archts., 505 5th Ave., 14 story, brick, steel and stone, plain foundation, 244 West 38th St., by day labor. $500,000. C. Meyer, 110 West 40th St., engr.

Pa., Phila. — Gymnasium — Episcopal Academy, City Line Ave., 2 story, 60 x 120 ft., rein.-con., steel and stone, plain foundation, City Line Ave., to H. Conway, 5800 Walnut St. Noted Dec. 8.

D. C., Wash.—Office—F. H. Smith, 815 15th St., N. W., 10 story, limestone, to R. P. Whitty, Union Trust Bldg., $750,000. Noted Dec. 29.

N. C., Winston-Salem—Hospital—State Baptists, 5 story, rein.-con., to J. A. Jones Constr. Co., Realty Bldg., Charlotte, $133,690. Noted Jan. 5.

W. Va., Wheeling — Hotel — McLure Bros., Steel Corp. Bldg., 8 story, 90 x 100 ft., brick, concrete and steel, Market St., to R. R. Kitchin Co., Natl. Bank Bldg., $250,000.

O., Cleveland — Apartment — Cooper & Berkowitz, 2451 East 79th St., 3 story, 80 x 100 ft., brick, plain foundation, Page Ave. near Euclid Ave., by day labor. $150,000. A. F. Janowitz, Permanent Bldg., archt. Noted Jan. 26.

O., Cleveland—Club House—Dercum & Beer, archts., 4500 Euclid Ave., 2 story, 54 x 200 ft., brick, steel and concrete, plain foundation, South Woodland Rd., to Drummond-Miller Co., 4500 Euclid Ave., for Canterbury Golf Club, 630 Natl. City Bldg. $200,000. Noted Jan. 12.

O., Cleveland—Commercial and Apartment—Venice Building Co., c/o F. Riley, Williamson Bldg., 5 story, 48 x 106 ft., brick and concrete, plain foundation, East 84th St. and Euclid Ave., to S. W. Emerson Co., 1900 Euclid Ave. Noted Oct. 13.

O., Lakewood (Cleveland P. O.)—Market—Lakewood Market House Co., c/o W. R. Powell, archt., 705 Rose Bldg., Cleveland, 2 story, 78 x 281 ft. brick, steel and concrete, plain foundation, 11826 Detroit Ave., to Alexander Bros., 426 Williamson Bldg., Cleveland. Noted Nov. 17.

O., Salem—Temple—Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, 3 story, 50 x 125 ft., brick, steel and concrete, plain foundation, here, to Heller Bros., Furnace St., Youngstown, for Masonic Temple Building Co. Noted Feb. 2.

Ill., Chicago—Apartment—C. F. Vanderheide, 818 Waveland Ave., 3 story, 48 x 136 ft., rein.-con., brick and steel, 814-16 Waveland Ave., to Chicago Building Constr. Co., 4447 North Kedzie St. $150,000.

Ill., Chicago—Apartment—H. Zisvak, 4451 Vincennes Ave., 3 story, 100 x 151 ft., rein.-con., brick and steel, at 548-56 Aldine St., to A. W. Anderson, c/o Rissman & Hirschfield, archts., 139 North Clark St. $200,000.

Wis., Beaver Dam—School—St. Peter's Catholic Congregation, c/o F. L. Kronenberg, archt., Carroll Blk., Madison, general contract, 2 story, 130 x 140 ft., brick and rein.-con., plain foundation, to Hutter Constr. Co., 128 Western St., Fond du Lac, $114,637.

Minn., St. Paul—Apartment—Summit Holding Co., c/o M. Fink, 714 Merchants Natl. Bank Bldg., 3 story, 75 x 175 ft., brick, tile and stone, Summit Ave. and West 3rd St., to L. Fleisher Co., Plymouth Bldg., Minneapolis. $160,000 to $175,000.

Col., Denver—Store—Steel Stores Co., Guardian Trust Bldg., general contract 4 story, 100 x 125 ft., rein.-con., plain foundation, Welton and 16th Sts., to C. S. Lambie, Tramway Bldg., $300,000. Noted Dec. 1.

Cal., Los Angeles—Church—Immanuel Presbyterian Church, c/o C. F. Skilling, archt., Bradbury Bldg., 4 story, 80 x 160 ft., rein.-con., terra cotta and steel, (1st unit), 10th and Figueroa Sts., to J. E. Polsey, 1627 Ingraham St.; $200,000, percentage basis. Noted Oct. 27.

Cal., San Diego—High School, Bd. Educ., 604 Southern Title Bldg., Theodore Roosevelt High School in Balboa Park, to O. I. Eckles, East San Diego, $267,600. Noted Feb. 9.

Ont., Ottawa—Collegiate—Ottawa Collegiate Bd., Elgin St., brick and carpentry work on institute, Carling Ave., to Ross-Meagher, Elgin St. Noted Jan. 26.

Federal Government Work

PROPOSED WORK

Mass., Boston—Equipment—Spec. 4583—Bureau Yards & Docks Navy Dept., Wash., D. C., plans to install coal handling equipment, here.

N. Y., Ft. Totten—Reconditioning Quarters—War Dept., c/o local Construction Quartermaster, plans reconditioning quarters 4 and 5, here.

N. Y., New York—Shed—Spec. 4589—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans steel storage shed on Pier H, here.

N. Y., Pelham Bay—Park Reservation — Spec. 4588 — Bureau Yards & Docks, Navy Dept., Wash., D. C., plans reservation of park, here.

N. Y., Sayville—Radio Quarters—Spec. 4584—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio quarters, here.

D. C., Bellevue—Roads, etc.—Spec. 4585—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans roads, walks and grading, here.

D. C., Wash.—Repairs to Roof—Treas. Dept. plans to repair roof, here.

Va., Langley Field—Landing Field—War Dept., c/o local Construction Quartermaster, plans improvements to landing field, here.

N. C., Camp Bragg—Quarters—War Dept., c/o local Construction Quartermaster, plans to convert buildings here into officers' quarters.

Ga., Ft. McPherson—Restoration of Building—War Dept., c/o local Construction Quartermaster, plans restoration of Building 1133, here.

Neb., Ft. Crook—Apparatus—War Dept., c/o local Construction Quartermaster, plans to install chlorinating apparatus, here.

Tex., Ft. Bliss—Boiler—War Dept., c/o local Construction Quartermaster, plans replacement of hotwater boiler, here.

Wash., Ft. Worden—Repairs—War Dept. c/o local Construction Quartermaster, plans repairs to plumbing in station hospital, here.

Cal., Ft. McDowell—Repairs to Boilers—War Dept., c/o local Construction Quartermaster, plans repairs to boilers, here.

Cal., San Diego—Equipment—Spec. 4587—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to install mess and kitchen equipment, here.

Cal., San Diego—Guardhouse, etc.—Spec. 4582—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans quartermaster guardhouse and shops at marine corp base, here.

Cal., San Diego—Hangar, etc.—Spec. 4581—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans hangar and oil storage house, here.

BIDS DESIRED

N. J., Plainfield—Changes in Approaches—March 10, by Treas. Dept., Wash., D. C., changes in approaches of U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Md., Chesapeake City—Pumping Unit—March 20, by U. S. Engineer, Wilmington, Del., complete pumping unit, here; adv. this issue.

Md., Hagerstown—Extension to Post Office—March 15, by Treas. Dept., Wash., D. C., extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

W. Va., Charles Town—Post Office—March 7, by Treas. Dept., Wash., D. C., construction complete incl. mechanical equipment, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

N. C., Wilmington—Dredge Tender—March 23, U. S. Engineer, for motor dredge tender "Watcoosa"; adv. this issue.

Fla., Jacksonville—Dredging—March 14, U. S. Engineer, dredging in Key West Harbor; adv. this issue.

Wash., Puget Sound—Addition—Spec. 4564—March 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., addition to shell house, here. Noted Dec. 1.

Cal., Mare Island—Addition—Spec. 4561—March 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., addition to shell house and magazine, here. Noted Dec. 1.

Cal., San Diego—Barracks, etc.—Spec. 4562—March 8 (change of date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., 6 barracks, 2 entrance buildings and gates, at naval base, here. Noted Jan. 19.

BIDS RECEIVED

Va., Hampton Roads—Motor Generator Set, etc.—Spec. 4570—Bureau Yards & Docks, Navy Dept., Wash., D. C., motor generator set and switchboard, at naval operating base, here, from General Electric Co., River Rd., Schenectady, N. Y., $16,860 (180 days); W. G. Cornell Co., 19 Patterson St., Wash., D. C., $19,600; Allis Chalmers Mfg. Co., 118 East Pratt St., Baltimore, Md., $19,946 (180 days). Noted Feb. 9.

N. C., Oteen—Boiler Settings—Treas. Dept., Wash., D. C., boiler settings, in U. S. Post Office, here, from Wilmington Iron Wks., Orange St., Wilmington, $3,585; Ransom & Anderson, 136 Liberty St., New York, $4,470; W. V. Henry, Asheville, N. C., $4,500. Noted Feb. 2.

CONTRACTS AWARDED

Ky., Dawson Springs—Water Treating Plant—Treas. Dept., Wash., D. C., water treating plant at U. S. Pub. Health Serv. Hospital, here, to Permutit Co., 440 4th Ave., New York, $19,000. Noted Feb. 16

Miscellaneous

PROPOSED WORK

Athletic Field—Williamstown, Mass.—See "Buildings."

Generator Unit—Hailesboro, N. Y.—St. Lawrence Transmission Co., Potsdam, purchased hydro-electric plant and development of Uniform Fibrous Talc Co., on Oswegatchie River, here, and plans additional 1,000 hp. generator unit.

Tar Road Oil—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Boro Hall, rejected bids opened Feb. 9, furnishing and delivering 250,000 gal. tar road oil. $25,000. Work will be readvertised. Noted Feb. 2.

Summer Resort—Heathsville, Va.—R. Lee and associates plan to establish summer resort, incl. 100 cottages, hotel to accommodate 1,000 persons, other miscellaneous buildings, land improvement and reclamation, etc.

Race Track—Ann Arbor, Mich.—Washtenaw Co. Fair Society, had plans prepared for ½ mi. race track, 20,000 cu.yd. grading $25,000. H. H. Atwell, 215 East Huron St., engr.

Grandstand—North Aurora, Ill.—See "Buildings."

Electric Generating Unit—Elkhorn, Wis.—Wisconsin Butter & Cheese Co.., plans electric generating unit. Cahill & Douglas, 217 West Water St., Milwaukee, engrs.

Road Materials—Manitowoc, Wis.—Making plans and soon takes bids cement and 70,000 gal. road material, mostly asphalt. F. Alter, City Hall, engr.

Tractor — Warren, Minn. — Marshall Co. rejected bids opened Feb. 8, tractor for heavy road work. Noted Feb. 2.

Road Roller—Minot, N. D.—Soon takes bids for 10 ton road roller with scarifier attached. A. D. Hagenstein, clk.

Park Improvements—El Paso, Tex.—Sold $100,000 bonds for park improvements; part of proceeds will be expended for creating Mountain Park; $12,000 additional improvement in Memorial Park and balance distributed among other parks. W. C. Stewart, city engr.

Tunnel—California—See "Railways."

Road Oiling Machine and Sprinkler—Hensall, Ont.—See "Streets and Roads."

Oil Filtering Plant—Oil City, Ont.—Canadian Oil Companies, Ltd., plans oil filtering plant, concrete and brick. $25,000.

Memorial Tower—Simcoe, Ont.—Citizens Com. plans ornamental stone memorial tower, 60 ft. high, 22 ft. square, incl. 23 electrically operated bells, automatic electric player and clock. $28,000. Prices wanted on all materials.

Retaining Wall and Cofferdam—Ottawa, Ont.—Had plans prepared concrete retaining wall at Browns Inlet, $25,000, also cofferdam, $5,500. A. F. Macallum, city engr.

Road Machinery—St. Thomas, Ont.—Elgin Co. plans to expend $5,000 for machinery. F. Pineo, County Bldg., road supt.

Elevator—Montreal, Que.—Grand Trunk Ry., McGill St., plans addition to Windmill Point elevator, 1,000,000 bushel capacity.

Elevators — Montreal, Que. — Montreal Harbor Comn., 57 Common St., plans 3 elevators, 10,000,000 bu. capacity, concrete and steel based on rock. F. W. Cowie, ch. engr.

BIDS DESIRED

Pier—Portland, Me.—March 10, by Directors of Port of Portland, construction of state pier, Contr. 6. H. F. Merrill, pres.; adv. this issue.

Bituminous Dressing, etc.—Buffalo, N. Y.—March 3, by Commissioner of Pub. Wks., Municipal Bldg., bituminous dressing for repair of macadam roads; paving stone, curbing, sand, gravel and crushed stone for street repairs. G. H. Norton, Municipal Bldg., engr.

Heating Systems—Altoona, Pa.—March 6, by School Dist., 6th Ave. and 15th St., changing heating systems in high school, grammar school and Lincoln School to connect with new heating and power plant. $30,000. Shevlin Eng. Co., Inc., 119 West 34th St., New York, engrs.

Corrugated Metal and Culvert Pipe—Harrisburg, Pa.—March 10, by State Hy. Dept., corrugated metal and rein.-con. culvert pipe. G. H. Biles, asst. state highway comr.; adv. this issue.

Binder Stone—Norfolk, Va.—W. E. Rew, engr. highways and bridges, Armory Bldg., receiving bids 4,000-5,000 ton binder stone which will pass through 1½ in. screen and lay on ⅝ in. screen.

Road Materials — Jacksonville, Fla. — March 1, by Comrs. Duval Co., furnishing 6 cars crushed granite ⅜ in. screenings; 20 cars crushed granite 2 in.; 1 car tarvia; 5,000 cu.yd. dead or live shell for Front Creek Rd. $30,000. F. Brown, clk.

Crane—Cincinnati, O.—Cincinnati Chamber of Commerce in market for 5 ton crane with radius of 95 ft. to handle steel.

Dump Trucks Cleveland, O.—March 6, by F. G. Hogen, dir. Schools, East 6th St. and Rockwell Ave., two 2 ton dump trucks.

Chimney—Hammond, Ind.—March 8, by Bd. Pub. Wks., brick chimney. A. J. Swanson, pres.; adv. this issue.

Sand and Stone—Detroit, Mich.—March 7, by G. J. Finn, comr. purchases and supplies, 700 Marquette Bldg., 40,000 cu.yd. sand for bituminous paving mix, 40,000 ton binder stone, 7,000 ton limestone dust.

Street Flusher, Truck, etc.—Manitowoc, Wis.—March 6, by A. H. Zander, city clk., motor driven street flusher, one 3½ ton truck for gravel pit work with 3 yd. dump body and hoist, one sewer renovating machine, centrifugal or diaphragm type, electric power portable belt conveyor also tar and asphalt heater. $30,000. Private plans.

Road Oil—St. Paul, Minn.—March 6, by Ramsey Co., 350,000 gal. road oil. R. R. Godfrey, co. engr. Noted Sept. 22.

Water Meters—Baxter Springs, Kan.—Receiving bids 300 water meters. $6,000. J. B. Hodgdon, Baxter Springs, engrs.

Crane—Portland, Ore.—Consolidated Ry. Equipment Co., Knott St., in market for 35-40 ton electric overhead traveling crane with span of 49 ft. and wired for 220 volt a.c.

Tractor—Quincy, Cal.—March 6, by F. B. Young, clk. Plumas Co., one track layer tractor.

Portland, Cement — Yuba City, Cal. — March 7, by Supervs. Sutter Co., furnishing and delivering 8,000 bbl. Portland cement for Knights-Landing Rd. Bids asked (1) f.o.b. per bbl. Knights-Landing, (2) f.o.b. per bbl. Maddock, (3) credit per sack on empty sacks returned, (4) discount per bbl. on payments made 10 days from date of invoice. O. W. Lanzendorf, co. rd. engr.

Underground Conduits—London, Ont.—Bell Telephone Co., 435 Clarence St., taking bids putting wires underground in conduits, in West London. $30,000. C. H. Beard, 435 Clarence St., engr.

BIDS RECEIVED

Broken Stone and Screenings—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro., opened bids Feb. 15, (1) 24,000 cu.yd. broken stone and screenings, (2) 4,500 cu.yd. sand in 1st, 2nd, 3rd and 4th Wards, (3) 500 cu.yd. sand in 5th Ward, (4) 35,000 asphalt paving blocks, (5) 40,000 wood paving blocks, (6) 450,000 gal. road oil for cold application, (7) 175,000 gal. road oil for hot application, (8) 100,000 gal. bituminous macadam binder, (9) 800 ton asphaltic cement, from W. P. McDonald Constr. Co., 17 West 42nd St., New York, (1) $2.79 per cu.yd.; F. Starr Contg. Co., 220 West 42nd St., (1) $2.83½; Tuohy & Upton, Inc., 98 Main St., Flushing, (1) $2.93; E. B. Simpson, Hempstead Turnpike, (2) $1.44, (3) $1.75; Welsh Bros. Contg. Co., 14 Queens St., Astoria, (2) $1.45; G. S. Card, $1.50, $1.50, $1.74 and $1.74, $7,686; C. E. Fallon, (3) $2.45; Peace Bros., Inc., 20 Main St., Flushing, (3) $2.60; Hastings Pavement Co., 25 Broad St., New York, (4) $95 per M; Amer. Creosoting Co., 17 Battery Pl., New York, (5) $17,564; Standard Oil Co. of New York, 26 Bway., New York, (6) $0.0498, (7) $0.619, (8) $0.0604, (9) $21.48; Texas Co., 17 Battery Pl., New York, (6) $0.05, (7) $0.059, (8) $0.072, (9) $26.45; Warner Quinlan Co., 79 Wall St., New York, (6) $0.0544, (7) $0.437, (8) $0.0731, (9) $22.48. Noted Feb. 9.

Electric Operating Equipment — New York, N. Y.—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., opened bids Feb. 14, furnishing and installing electric operating equipment for 48 in. valves at 86th St. and 135th St. gatehouses, from Crocker Natl. Fire Prevention Eng. Co., 22 West 30th St., $28,825; Payne-Dean Ltd., 103 Park Ave., $29,995; C. Meads & Co., 217 West 14th St., $32,120. Noted Feb. 9.

Inorganic Dust—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Feb. 15, furnishing and delivering 2,000 ton inorganic dust, from New York Trap Rock Corp., 101 Park Ave., $7.80 per ton; Palmer Lime & Cement Co., 103 Park Ave., $9.50; Michigan Limestone & Chemical Co., 126 Liberty St., $9 95. Noted Feb. 2.

Portland Cement, etc.—New York, N. Y.—M. Bruckner, pres. Bronx Boro, Boro Hall, furnishing and delivering 3,500 bags Portland cement, to C. J. Mallett, 2523 Glebe Ave., $2,257; 3,000 cu.yd. hard coal clean steam ashes, to Ames Building Material Co., Inc., 3437 Kingsbridge Ave., $2,220; 750 ton limestone dust, to E. Meyer & Co., 25 Church St., $4,860; 30,000 gal. bituminous road surfacing material, to F. J. Lewis Mfg. Co., 2513 South Robey St., Chicago, $5,220; 2,000 cu.yd. binder stone, to Calvin Tomkins Co., 30 Church St., $3,560. Noted Feb. 2.

Shaft Caissons and Tunnels—New York, N. Y.—New York State Bridge & Tunnel Comn. and New Jersey Interstate Bridge & Tunnel Comn., Room 617, Hall of Records, 2 c.i. tunnels between Canal St. and Spring St. shafts and point about 600 ft. west of New York pierhead line and sinking shaft caisson near New York pierhead line, Contr. 3, 2 c.i. tunnels between point 1,000 ft. west of river bulkhead near line of 12th St., Jersey City and point about 600 ft. west of New York pierhead line and sinking 4 caissons, 2 inside bulkhead line and 2 near pierhead line, Contr. 4 from Booth & Flinn, Ltd., 17 Battery Pl., $19,331,723; P. McGovern & Co., 50 East 42nd St., $20,917,267; Keystone State Eng. Co. and Holbrook, Cabot & Rollins Corp., 52 Vanderbilt Ave., $22,191,635. Noted Feb. 9.

Wharf Dock—Wash., D. C.—Dist. Comrs., 509 Dist. Bldg., wharf dock, Water St. between M and N Sts., S. W., from Cambridge Mfg. Co., Cambridge, Md., $14,260; J. E. Ballinger, 941 H St., N. W., $15,379; A. H. Rogers, Colorado Bldg., $16,519. Noted Feb. 2.

Gravel—Ruston, La.—Lincoln Parish, 20,000 cu.yd. sand clay gravel, 60% stone, from Louisiana Sand & Gravel Co., Alpene, $2.10; Evangeline Gravel Co., Alexandria, $2.30. McFarland Bros., Forest Hill, $2.70. Noted Jan. 12.

Asphalt, etc.—Detroit, Mich.—March 8, by G. J. Finn, comr. purchases & supplies, 700 Marquette Bldg., 4,000 ton refined asphalt derived from asphaltic petroleum; 500 ton petroleum residuum; 2,000 ton refined natural lake asphalt.

Retaining Wall—Seattle, Wash.—Opened bids Feb. 10, concrete retaining wall on 3 blocks 1st Ave. between Union and Seneca Sts., 500 cu.yd. earth excav., 725 sq.yd. concrete and 27,000 lb. steel, from Romano & Rosello Bros., 822 Corwin Pl., $25,993; I. Ivey, Pacific Blk., $25,996; E. A. Francis Constr. Co., 5353 Creston Ave., $26,018.

CONTRACT AWARDED

Paving Pitch—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Boro Hall, opened bids Feb. 9, furnishing and delivering (1) 50 ton paving pitch, (2) 800 ton asphaltic cement, (3) 6,000 cu.yd. asphalt wearing surface sand, (4) 250,000 gal. tar road oil, (5) 600,000 gal. asphalt road oil, (6) 4,000 cu.yd. 1½ in. broken stone, etc., (7) 6,000 cu.yd. sand grits, from Tar Products Corps., 913 Turks Head Bldg., Providence, R. I., (1) $23.90 per ton, (4) $0.107; Barrett Co., 40 Rector St., (1) $25.40, (4) $0.111; F. J. Lewis Mfg. Co., 2513 South Robey St., Chicago, (1) $25.70, (4) $0.106; Warner Quinlan Co., 79 Wall St., (2) $22.48; U. S. Asphalt Refining Co., 90 West St., (2) $25.90; Standard Oil Co. of New York, 26 Bway., (2) $25.95, (5) $40,140; Deebach Contg. Co., 324 Jay St., Brooklyn, (3) $1.35, (7) $19,140; C. W. Crane, 17 Battery Pl., (3) $1.40; Atlantic Refining Co., 3144 Passyunk Ave., Phila., (5) $35,220; Texas Co., 17 Battery Pl., (5) $37,200; New York Trap Rock Corp., 101 Park Ave., (6) $15,795; P. J. Donovan, 30 Church St., (6) $16,100; Ames Building Material Co., Inc., 3437 Kingsbridge Ave., (6) $17,485, (7) $17,400; Lanigan Bros. Inc., Bronx River and 165th St., (7) $19,500. Noted Feb. 2.

Memorial Monument—Hackensack, N. J.—Bd. Freeholders Bergen Co., Camp Merritt Memorial Monument, Madison Ave., to Harrison Granite Co., 200 5th Ave., New York, $27,950.

Piers—Weehawken, N. J.—Erie R.R., 50 Church St., New York, rebuilding 1 of 4 piers along Hudson River (recently destroyed by fire) here, to Foley Bros., 209 Gilfillan Blk., St. Paul, Minn. $1,000,000. Noted Dec. 1.

Shed, etc.—New Orleans, La.—Bd. Port Comrs., corrugated iron and steel freight shed on Congress St., to Virginia Bridge & Iron Co., Madison Ave., Norfolk, Va., $16,352; power shovels to R. R. Heppinstall, New Orleans, $3,591.

Cement—Red Wing, Minn.—Bd. Pub. Wks., 1,000 bbl. Portland cement, to Red Wing Feed Mill, Red Wing, $2.32. Noted Jan. 26.

OFFICIAL PROPOSALS

Bids: Feb. 28.

Concrete Pavement

Harrisburg, Pa.

Pennsylvania State Highway Department, Harrisburg, Pa. Sealed proposals will be received at the State Capitol until 10 a.m., February 28, 1922, when bids will be publicly opened and scheduled and contract awarded as soon thereafter as possible for the reconstruction of the following roads: 34,433 feet of One Course Reinforced Concrete Pavement, in Canton and Leroy Townships, Bradford County; 57,665 feet of One Course Reinforced Concrete Pavement, in Mercer Township and Harrisville Borough, Butler County and Irwin Township, Venango County; 39,672 feet of One Course Reinforced Concrete Pavement, in Snyder Township, Blair County and Taylor and Rush Townships, Centre County; 25,175 feet of One Course Reinforced Concrete Pavement, in Ashland and Elk Townships, Clarion County; 5,776 feet of One Course Reinforced Concrete Pavement, in Curwensville Borough, Clearfield County, also 8,217 feet of One Course Reinforced Concrete Pavement, in Pike Township, also 16,812 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement in Knox Township, and 24,573 feet of One Course Reinforced Concrete and Hillside Vitrified Brick Pavement, in Houtzdale Borough and Woodward Township, Clearfield County; 11,774 feet of One Course Reinforced Concrete Pavement, in Lemoyne and Camp Hill Boroughs, Cumberland County; 39,083 feet of One Course Reinforced Concrete Pavement, in White, Center, Blacklick and Young Townships, and Jacksonville Borough, also 27,632 feet of One Course Reinforced Concrete Pavement, in Young Township, Indiana County; 27,412 feet of One Course Reinforced Concrete Pavement, in Lower Gwynedd, Whitpain and E. Norriton Townships, Montgomery County; 33,672 feet of either Bituminous Surface Course on a Concrete Foundation or One Course Reinforced Concrete Pavement, in Buffalo Township and Liverpool Borough, Perry County; 63 935 feet of either Bituminous Surface Course on a Concrete Foundation, or One Course Reinforced Concrete Pavement, in Penn, Union and Chapman Townships, Snyder County; 27,981 feet of One Course Reinforced Concrete Pavement, in Summitt and Elk Lick Townships, and Salisbury Borough, Somerset County; 13,473 feet of One Course Reinforced Concrete Pavement, in Speers and Dunlevy Boroughs and Allen Township, Washington County. Bidding blanks and specifications may be obtained free, and plans upon payment of $2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. They also can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut Street Philadelphia, 119 Federal Street, N. S. Pittsburgh.

GEORGE H. BILES,
Assistant State Highway Commissioner.

Bids: Mar. 1.

Cast Iron Pipe

Newburgh, N. Y.

Sealed proposals will be received by the City Manager at his office in the City Hall, Newburgh, N. Y., until 2 o'clock p.m. on Wednesday, the 1st day of March, 1922, for furnishing approximately 1,000 tons of cast iron pipe and 30 tons of special castings of the following length and sizes:

About	1,500	feet	20-inch	pipe,	Class	C
"	6,400	"	16- "	"	"	"
"	7,600	"	12- "	"	"	"
"	1,200	"	8- "	"	"	"
"	1,000	"	6- "	"	"	"

Copies of the contracts, proposals and specifications may be obtained at the office of the Superintendent of the Water Department or at the office of James C. Harding, Consulting Engineer, 170 Broadway, New York City.

Each bid must be accompanied by a certified check in the sum of One Thousand Dollars ($1,000.00).

The City reserves the right to reject any or all bids received.

N. J. McKAY,
City Manager.

These Advertisements

are official notices that bids are wanted from other than local bidders.

Maximum competition is desired, and this is assured through Engineering News-Record's large NATIONAL circulation, reaching almost every contractor, dealer, and manufacturer in the country interested in bidding on public work contracts. It is the DOMINANT MEDIUM for advertising contracts for work, material, and supplies for towns, cities, counties, state and government departments, and private organizations.

Official Proposals reaching our New York Office by 10 A. M., Tuesday car usually be printed in the issue out Thursday.

Rate: 40 cents a line an insertion.

Bids: Mar. 8.

Highway Work

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the County of Monmouth on the following:

Reconstruction of State Highway Route 4 Section 6, Etontown to West Long Branch with a sheet asphalt surface on a concrete foundation. Estimated amount of pavement is 33,232 sq.yds.

Work is to be performed under County Reimbursement Act, Chapter 183, laws of 1918, and amended by Chapter 317, Laws of 1920.

Bids will be received at the Court House at Freehold, N. J., on March 8, 1922, at 11 a.m.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of Geo. K. Allen, Jr., County Engineer, at 60 Broad St., Red Bank, and in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on deposit of ten dollars ($10.00) upon application to Geo. K. Allen, Jr., County Engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Monmouth and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of C. Asa Francis, County Treasurer, for not less than ten per cent (10 per cent) of amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to Geo. K. Allen, Jr., County Engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Monmouth passed at a regularly adjourned meeting on Jan. 20, 1922.

GRANT PATTERSON, JR.,
Clerk of Board of Freeholders of
Monmouth Co., N. J.

Bids: Mar. 8.

Road Construction

Atlantic City, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of Atlantic County, N. J., at 12 o'clock noon on March 8th, 1922, during a regular meeting of the board at its meeting room in the Guarantee Trust Building, Atlantic City, N. J., for the reconstruction of the Smithville-Mullica River Section (Section No. 9) of the Ocean Highway (State Highway Route No. 4) in the Township of Galloway and the City of Port Republic, County of Atlantic and State of New Jersey, with a Warrenite-Bitulithic pavement on a six inch (6") 1-3-5 concrete base, together with a single leaf Strauss Bascule Bridge and creosoted pile trestle approaches spanning Nacote Creek. The estimated amount of pavement and of base is 41,726.42 square yards together with excavation, extra embankment, gravel shoulders, drainage provisions and various other details required in the work; Nacote Creek Bridge requires a clear channel opening of 30 feet, a clear roadway of 30 feet with wood block floor supported on four inch (4") creosoted plank. The aforesaid bids will be opened and read in public at the time and place stated for receiving them.

Plans, specifications, and forms of bid, certificate of surety, contract and bond, as prepared by A. H. Nelson, County Engineer and approved by the State Highway Commission, have been filed at the office of the County Engineer at 636 Guarantee Trust Bldg., Atlantic City, N. J., and at the office of the State Highway Commission in Broad Street, National Bank Building, Trenton, N. J., at which places they may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of said plans and specifications by the County Engineer on consideration of a deposit of $10 (Ten Dollars), which deposit will be refunded if the plans and specifications are returned to him in good condition by noon of March 8th, 1922. Each bid must be made on the standard proposal form, in the manner designated therein and required by the specifications, must be enclosed in a sealed envelop bearing on the outside the name and address of the bidder and the name of the road and the envelope must be addressed to the Board of Chosen Freeholders, Atlantic County, N. J. Each bid must be accompanied by a certificate of surety and by a certified check in an amount not less than $20,000 and must be delivered at the place and on the hour above stated for receiving bids. A contract will be awarded, if awarded at all, subject to the sale and delivery of bonds which will be issued for the purpose of paying for the proposed work.

By order of the Board of Chosen Freeholders of Atlantic County, N. J.

F. W. WILLETTE,
Clerk.

Bids: Mar. 28.

Pumping Plant

Fallon, Nev.

Sealed bids will be received by the City Council of the City of Fallon, Nevada, at the office of the City Clerk until 7:00 o'clock p.m. Tuesday, March 28, 1922, for the furnishing of all material and equipment and the construction of an additional pumping plant for the municipal water system. Items included will consist of approximately one mile electric transmission line, one mile wood pipe and all necessary pumps, motors, automatic controls, air pressure tank, building, foundations, suction lines, valves, pipe, etc., complete and in place. Plans and specifications may be secured from the City Engineer of the City of Fallon for $5.00, or may be inspected at his office by prospective bidders without charge.

Dated at Fallon, Nevada, February 13, 1922.

GRACE WILDES,
City Clerk.